



Caledonian



Medium Voltage Cables

(ICEA Standard)



Caledonian

Medium Voltage Cables(ICEA)

Company Profile

Caledonian, established in 1978, offers one of the most complete lines of fiber and copper cabling system solutions with over hundreds of different cabling system products. Our superior products provide leading edge within every cable series and for every application.

Among the national and international standards with which our cables could comply are: BS-British Standard; LPCB Fire Performance Standard. ISO Standard etc. Caledonian Cables offers a comprehensive stock of cables and cabling products through its nationwide network of resellers and distributors. Caledonian Cables has continually expanded its global presence in Europe and Asia.

Caledonian & Addison, produces a wide range of cables for communication, power and electronics in its primary plants in UK, Italy and Spain. To stay in front, we continually keep expanding our manufacturing capabilities in more low cost region such as Romania, Taiwan, Malaysia etc. This low-cost manufacturing facilities enable us provide a flexible, scalable global system that delivers superior operational performance and optimal results for our customers.

Our extensive global network of manufacturing facilities gives us significant scale and the flexibility to fulfill our customer requirements. This global presence provides design and consultancy solutions that are combined with core cable manufacturing, logistic services, and vertically integrated with our E commerce technologies, to optimize customer operations by lowering costs and reducing time to market.

Caledonian & Addison has been respected for its high standards of quality, excellent service level, competitive pricing and a unique and innovative spirit. With our latest technologies, we are both inspired and well-positioned to meet the changing needs of our customers. We have the resources to diversify and to enhance our product lines and services. We understand the need for change and with our accurate planning, we are ready for the future and the promise of new marketing opportunities. Our tradition of growth through excellence is assured.

Our Design Centers work closely with customers to constantly improve its standard range of products and technologies and to develop customized, country and industry specific solutions. Caledonian & Addison has established an extensive network of design, manufacturing, and logistics facilities in the world's major markets to serve the growing outsourcing needs of both multinational and regional customers.





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Caledonian Medium Voltage Cables

Cable Construction

Caledonian medium voltage cables are manufactured using the monosil process. Caledonian provides the highly specialized plant, state-of-the-art research facilities and meticulous quality control procedures that is required for the manufacturing of XLPE/EPR insulated cables for use at voltages up to 46 KV. The materials are all kept in cleanliness-controlled conditions throughout the production process in order to ensure the absolute homogeneity of the finished insulation materials.

Depending on the cable's application, the medium voltage cable may have metallic shielding, armour or sheath and an overall jacket. Such cables can be directly buried, pulled into underground ducts, submerged under water or hung from an overhead messenger wire. They are robust, easy to install and readily available in most conductor sizes and voltages from 5 to 46 kV.

Triple Extrusion

The XLPE, TR-XLPE or EPR insulated cables are produced under clean room, using the triple extrusion process in which the conductor screen, insulation and insulation screen are extruded through a single extrusion head. The surface of the insulation is never exposed to the atmosphere or to any other material other than the adjacent semi-conductive screens, ensuring the interfaces between the materials are free of air voids or contaminations.

A thin layer of semi-conducting cross-linked polyolefin is extruded over the conductor, followed by the XLPE/TR-XLPE/EPR insulation and then a strippable semi-conducting cross-linked polyolefin (XLPO) insulation shield. All three layers are extruded through a single true triple crosshead on a dry cure catenary continuous vulcanization (CCV) line.

Conductor

Conductors may be either aluminum or copper in accordance with ASTM B 8, ICEA S-66-524. They are usually compress stranded or compact stranded, but sizes 2/0 AWG and smaller are often supplied as solid.

Conductor Shield

Conductor shield is an extruded semi-conducting material that lies somewhere between a conductor and an insulator. It smoothes out the conductor to make it look like it has a solid smooth surface. The conductor shield provides for a smooth, radial electric field within the insulation. The materials used to form the conductor shield consists of a polymer with a high carbon black content which change the polymer from insulating to semi-conducting. When this material is extruded over the conductor, it electrically reshapes the conductor to hide or fill any rough spots, burrs, strand high points and air voids between the strand interstices. The



reduction of interface irregularities leaves a smooth round conductor surface with no sites to concentrate electrical stress. Reducing the electrical stress at the conductor / insulation interface allows for a thinner insulation than would otherwise be required. Lower electrical stress also increases cable life. No conductor or insulation shields are required for cables rated up to 2 kV. At 2kV and above a conductor shield is required by standards such as U.L., C.S.A., and I.C.E.A.

Insulation

There are three types of insulation, namely the XLPE, TR-XLPE and EPR. XLPE insulation possess very good electrical, mechanical and thermal characteristics in medium voltage cable. XLPE is chemical resistant and cold resistant.

Usually, the XLPE insulated cables are designed with longitudinally waterproof. In comparison with PVC or paper insulated cables, XLPE insulated cables are possessing a very low dielectric factor. Tree-retardant cross-linked polyethylene (TR-XLPE) compound contains an additive that slows the growth of water trees. These additives tend to reduce the electrical properties of XLPE, slightly increase dielectric loss, and slightly lowers the initial insulation strength (but with much better insulation strength if aged).

Water tree is the main cause of deterioration for XLPE cables of 60KV or less. TR-XLPE is characterized by longer service life and lower electrical losses. EPR is characterized by better flexibility, less expansion during heating and better properties at high temperature.

Insulation Level

Insulation level applies to what's referred to as shielded cables or cables with an insulation shield. Generally cables rated at 5 kV and higher are shielded but some at 5 kV, depending on their construction, may be unshielded.

Insulation level comes from ICEA standards S-95-658 and relates to the fault tolerant time for the system on which the cable is used.

There are two types of insulation levels with medium voltage cable. These are 100% and 133%. 100% level is used where a system fault is cleared in one minute or less. This insulation level is applicable to the great majority of cable installations which are on grounded neutral systems, where voltage rise during system faults is minimal. 133% level is used where a system fault is cleared within 1 hour. 133% is often specified when greater insulation strength (higher reliability), extra protection against surges, lightning, or water treeing is desired. This insulation level is applicable to high resistance grounded system or for ungrounded system, where the voltage rise can reach the full phase to phase voltage. These insulation levels are chosen to handle increased voltage levels that may be seen in systems when faults occur. Higher insulation levels on a cable generally means it has a thicker insulation. However the only exception to 100% vs 133% is the 5KV cables. In this case, most North American standards specify the same for both insulation levels.



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Medium voltage cables with same insulation thickness could have dual rating. For example, 5KV cable, 133% insulation level (ungrounded systems) could be rated for 8KV, 100% insulation level (grounded systems).

Generally 100% insulation level cable is used on grounded wye or star systems and 133% is used on delta systems. This is because generally a fault is cleared very quickly on a wye (ie: within a few cycles) but could persist for longer periods on a delta system.

Insulation Shield

The insulation shield, like the conductor shield, is required in medium voltage cables rated at 2KV or above. The conductor shield provides for a smooth, radial electric field within the insulation. Industry specifications require a resistivity of below 500 Ohm-meter to adequately carry current to the metallic shield.

The semi-conducting component of an insulation shield, like the conductor shield, is an extrusion of semi-conducting material over the outer surface of the insulation. This shield controls the electrical stress within the insulation and prevents objects from disturbing the stress at the insulation's outer surface. An insulation shield is always made up of two components, an extruded semi-conducting layer over the insulation and a metallic shield over that.

The insulation shield, when correctly grounded, will confine the electric field within the cable, equalize voltage stress within insulation, minimize any surface discharge, protect the cable from induced potential, limit electromagnetic and electrostatic interference on the adjacent systems, and lastly reduce any shock hazard in the vicinity of the cables.

When a power cable is referred to as shielded it means that it has an insulation shield. One very important aspect of the insulation shield is its degree of strippability. The insulation shield must be easily removable in order to be terminated and spliced. The extruded semi-conducting material used for insulation shields is slightly different than that used for conductor shielding.

Conductor shields bond to the insulation and are inseparable, where the insulation shield is co-extruded with the insulation and crosslinked to its surface. Most insulation shields are based on EVA polymers that have high enough polarity that even though crosslinked to the insulation, do not mix with and bond permanently to it.

Basically the metallic component of an insulation shield is there to bridge or lower the resistance of the semi-conducting layer. The metallic shield provides a path for the flow of charging current and a path for the flow of fault current. If the metallic shield is of sufficient size and conductivity, it can provide a path for the return current and thereby acts as a system neutral. There are a number of designs of metallic shields including the round wire, flat strip, copper tape helically applied with overlap or longitudinally applied corrugated copper tape. Some of which are detailed below.



Metallic Shield

Concentric Neutral - helically applied

The concentric neutral conductors of medium to high voltage cables are formed as wire or tape braids wrapped helically over the semi-conductive insulation shield of such cable. These wires act as the metallic component of the shield and the neutral, at the same time. The neutral conductors are intended to provide a return circuit for load currents and to maintain the shield at ground potential to prevent injury to persons coming in contact with the cable. The concentric neutral wires may be either bare or tinned copper (from #6 to #9AWG) helically applied. For single-phase systems, the conductance of the neutral is equivalent to that of the phase conductor. For three-phase systems, it is typically 1/3 but can be made with 1/6, 1/12, etc. neutrals.

Copper Tape – helically wrapped

Helically wrapped copper tape have been a medium voltage standard for years. Wrapping design can improve performance. For electrostatic shielding of the underlying cable core, one or more 5 mil copper tapes are applied helically with gapes or overlap over the extruded insulation shield. The overlap of the tape windings is a key design feature in helical tape construction. Although the ICEA recommends a minimum tape overlap of 10%, an overlap of 25% delivers better performance. Extra overlap delivers increased short circuit capacity and better mechanical reliability. Tape shields may not always have sufficient fault current capability for protective relaying purposes. The cable is characterized by low short circuit capacity, providing good electrostatic shield. If grounded both ends, conductor current derating is small.

Wire Shield- helically applied

The wire shield delivers the same performance as copper tape. This is characterized by same short circuit and ampacity derating as copper tape. The wire shield may be either bare or tinned copper (from #22 to #18AWG) helically applied.

L.C. Shield

A transversely corrugated copper tape is longitudinally applied with a small overlap along the axis of the cable. A bridging tape is applied at the overlap. This design offers greater short circuit capability than helically applied tapes and reduced shield loss when compared to the concentric neutral construction. The sealed overlap of the shield is effective in impeding moisture ingress into the insulation system. This cable type is used on large single conductor sized utility and industrial cables.

This cable type provides good electrostatic shield, a moisture barrier when longitudinal overlap is sealed, and accommodates the expansion and contraction of the cable during



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thermal cycling. The short circuit level and conductor current derating of this cable type lies between copper tape shield and concentric neutral cables. Due to the 100% core coverage and superior heat dissipation characteristics, the entire LC shield offers the most effective means of providing fault current a low resistance path to ground during fault conditions. By contrast, the concentric neutral shield usually takes the fault to ground by using some of the wires around the cable circumference. Most of the other wires remain unused.

Metal Sheaths

The metal sheath is an interlocked metal tape made of lead or aluminium, a corrugated metal tube or a smooth metal tube. A metal moisture barrier such as an extruded lead sheath or a welded corrosion resistant sheath is the most secure design for the medium voltage cables and will ensure a life expectancy of 60 years as compared to other cable design.

This cable type provides good electrostatic shield, a moisture barrier when longitudinal overlap is sealed. The short circuit level and conductor current derating of this cable type is high if grounded at both ends as compared to other shielding types. The only drawback of this cable design is the difficulty to splice or terminate for this cable type.

Jacket

Jackets are available in a number of different compounds for specific requirements. Jacket type include Polyvinyl chloride (PVC), Polyethylene (LLDPE, MDPE, HDPE), Polypropylene (PP), Neoprene, Hypalon, thermoplastic chlorinated polyethylene (CPE), FRPVC and LSZH. The PVC jacket is mechanically rugged and has excellent resistance to oil, acids and most chemicals. The standard jacket on concentric neutral cables is low-density polyethylene (LLDPE). It prevents longitudinal ingress of water between the concentric neutral wires if the jacket is damaged. The jacket also provides mechanical protection during installation and inhibits corrosion of the concentric neutral wires or metallic shield. If fire is a concern, a FRPVC or LSZH jacket should be used. It is not quite as tough as polyethylene, but has superior flame retardance. Where required for identification of power cables in shared underground systems, three extruded red stripes can be provided on the cable jacket.





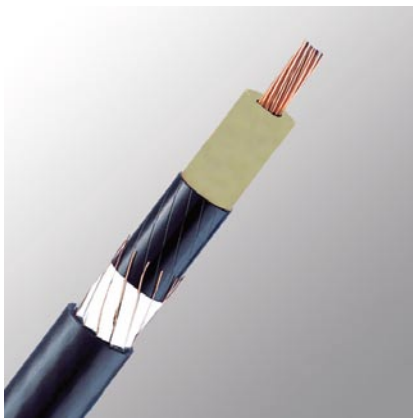
SINGLE CORE CABLES

Description

The single core cables are designed for distribution of electrical power with nominal voltage U_o/U ranging from 5KV to 46KV and frequency 50Hz. Single core cables are made of stranded copper or aluminium conductor, triple extruding insulating system consisting of thermosetting semi-conducting conductor shield, XLPE/TR-XLPE/EPR insulation and thermosetting semi-conducting insulation shield. There are a number of designs of metallic shields including the copper tape helically applied with overlap, copper wire shield, concentric neutral, longitudinally applied corrugated copper tape and metal sheath available, which are surrounded with fillers and grounding conductor, overall binder tape and overall PVC, LSZH or PE jacket.

Standards

National Fire Protection Standard (NEPA 70): National Electric Code
AEIC CS8
ICEA S-93-639 (NEMA WC74), Standard for shielded power cable 5KV-46KV
ICEA S-97-682
IEEE 1202 – Flame Testing of cables for use in cable tray
ICEA T29-520 Vertical
UL 1072 for medium voltage cables.



Conductors

The conductor consists of uncoated Class B compressed concentric stranded aluminium alloy 1350 or soft drawn annealed copper meeting the requirement of ASTM B3. Unless otherwise specified, the conductor shall be supplied class B as per ASTM B496.

Conductor Shield

Conductor shield consists of extruded thermosetting semi conducting compound which is free stripping from conductor and bonded to the insulation.



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Insulation

The insulation is either XLPE or EPR extruded concentrically over the conductor. High dielectric strength tree retardant XLPE (TR-XLPE) can be offered as option to provide an optimum balance of mechanical and electrical properties, insuring resistance to treeing. 100% or 133% insulation level is available upon request. The insulation meets or exceeds electrical and physical requirements of ICEA S-96-659/NEMA WC71, and UL 1072.

Insulation Shield

Insulation shield consists of extruded thermosetting semi-conducting compound with controlled adhesion to the insulation, providing required balance between electrical integrity and ease of stripping.

Metallic Shielding

1) Copper Tape

For Copper tape shield, helically bare 5 mil copper tape shield over the insulation shield with minimum overlap of 20%. There are grounding conductor made of bare stranded copper conductor per each interstices, per UL, ICEA and AST

2) Wire Shield

Bare copper wire shield is evenly spaced with 5000 circular mils minimum per inch of core diameter. The shield insures a reliable shield that can be easily terminated.

3) Concentric Neutral

Either bare or tinned copper wire (#6 to #9AWG) is helically applied around the cores.

Assembly

Cables are cabled together with a left hand lay and suitable filler to make the cable round. A binder tape is applied to maintain core geometry and mechanical stability. Fillers may be PP yarn, ramie yarn, plastics or other filler material.

Armour (optional)

For armouring options, inner PVC jacket is applied over the binder type. Corrugated aluminium interlocking armour (AIA) is applied over the inner jacket.

Jacket

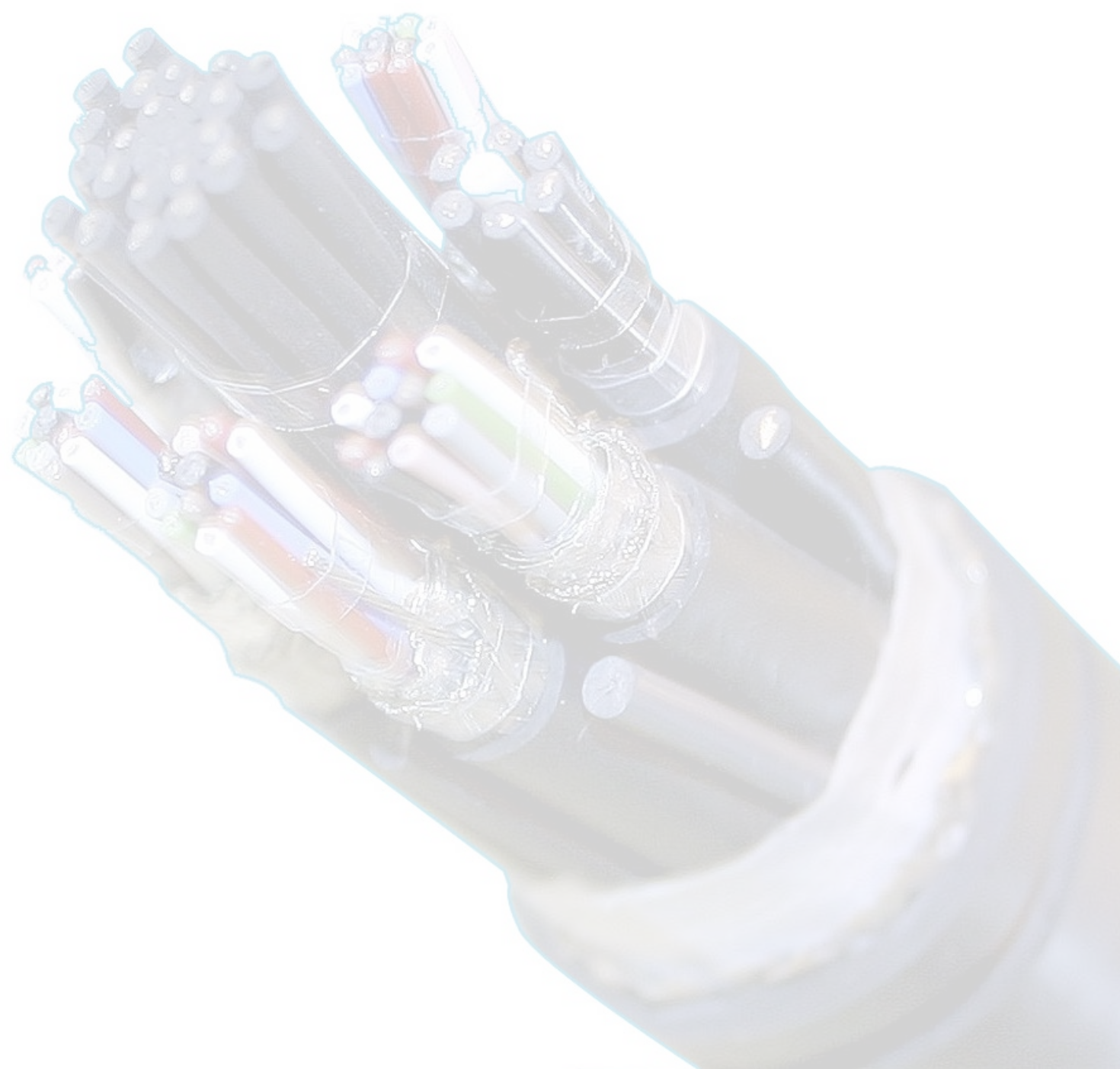
A protective sunlight and ozone resistant jacket of PVC is extruded for a tight fit over the welded armour or the core assembly.

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Options

- TR-XLPE insulation.
- Compact stranded conductor.
- Super smooth conductor shield.
- Zero or one grounding conductor.
- CPE, LLLPE, LSOH or low temperature PVC jacket.
- Oil resistant jacket.





Caledonian Medium Voltage Cables

XLPE INSULATED CABLES MV-90

Wire Shielded Cables

5kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	1.52/60	17.5	0.69	430	289	299	201	110	86	145	115
2 AWG	2.29/90	1.52/60	18.8	0.74	573	385	366	246	145	115	190	150
1 AWG	2.29/90	1.52/60	19.8	0.78	670	450	406	273	170	130	225	175
1/0 AWG	2.29/90	1.52/60	20.8	0.82	792	532	460	309	195	150	260	200
2/0 AWG	2.29/90	1.52/60	23.1	0.91	989	665	571	384	220	170	300	230
3/0 AWG	2.29/90	2.03/80	24.6	0.97	1178	792	652	438	250	195	345	270
4/0 AWG	2.29/90	2.03/80	25.9	1.02	1409	947	744	500	290	225	400	310
250 MCM	2.29/90	2.03/80	27.2	1.07	1613	1084	829	557	320	250	445	345
350 MCM	2.29/90	2.03/80	29.7	1.17	2129	1431	1031	693	385	305	550	430
500 MCM	2.29/90	2.03/80	33.5	1.32	2913	1958	1345	904	470	370	695	545
750 MCM	2.29/90	2.03/80	38.6	1.52	4187	2814	1821	1224	585	470	900	710
1000 MCM	2.29/90	2.03/80	42.4	1.67	5426	3647	2267	1524	670	545	1075	855
5kV 133% to ICEA Standard												
4 AWG	2.92/115	1.52/60	18.8	0.74	464	312	335	225	120	86	110	115
2 AWG	2.92/115	1.52/60	20.1	0.79	611	411	405	272	155	115	145	150
1 AWG	2.92/115	1.52/60	21.1	0.83	711	478	448	301	180	130	170	175
1/0 AWG	2.92/115	1.52/60	23.1	0.91	884	594	552	371	210	150	200	200
2/0 AWG	2.92/115	1.52/60	24.6	0.97	1038	698	620	417	235	170	225	230
3/0 AWG	2.92/115	2.03/80	25.7	1.01	1226	824	698	469	270	195	270	270
4/0 AWG	2.92/115	2.03/80	27.2	1.07	1461	982	797	536	310	225	305	310
250 MCM	2.92/115	2.03/80	28.4	1.12	1669	1122	884	594	345	250	355	345
350 MCM	2.92/115	2.03/80	31.2	1.23	2192	1473	1094	735	415	305	430	430
500 MCM	2.92/115	2.03/80	35.1	1.38	2983	2005	1413	950	505	370	530	545
750 MCM	2.92/115	2.03/80	39.9	1.57	4261	2864	1895	1274	630	470	665	710
1000 MCM	2.92/115	2.03/80	45.2	1.78	5654	3800	2495	1677	720	545	770	855

Addison Medium Voltage Cables



15kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.03/80	24.6	0.97	769	517	562	378	165	130	165	130
1 AWG	4.45/175	2.03/80	25.1	0.99	872	586	610	410	185	145	190	150
1/0 AWG	4.45/175	2.03/80	26.2	1.03	1003	674	671	451	215	165	215	170
2/0 AWG	4.45/175	2.03/80	27.4	1.08	1159	779	741	498	245	190	255	200
3/0 AWG	4.45/175	2.03/80	28.7	1.13	1355	911	829	557	275	215	290	225
4/0 AWG	4.45/175	2.03/80	30.2	1.19	1596	1073	931	626	315	245	330	260
250 MCM	4.45/175	2.03/80	31.8	1.25	1812	1218	1027	690	345	270	365	290
350 MCM	4.45/175	2.03/80	34.8	1.37	2369	1592	1271	854	415	330	440	350
500 MCM	4.45/175	2.03/80	38.1	1.50	3153	2119	1583	1064	500	400	535	430
750 MCM	4.45/175	2.03/80	42.9	1.69	4452	2992	2086	1402	610	490	655	540
1000 MCM	4.45/175	2.79/110	48.8	1.92	5910	3972	2752	1850	690	565	755	640
15kV 133% to ICEA Standard												
2 AWG	5.59/220	2.03/80	26.4	1.04	858	577	652	438	165	130	165	130
1 AWG	5.59/220	2.03/80	27.4	1.08	966	649	704	473	185	145	190	150
1/0 AWG	5.59/220	2.03/80	28.4	1.12	1101	740	769	517	215	165	215	170
2/0 AWG	5.59/220	2.03/80	29.7	1.17	1262	848	844	567	245	190	255	200
3/0 AWG	5.59/220	2.03/80	31.2	1.23	1463	983	936	629	275	215	290	225
4/0 AWG	5.59/220	2.03/80	32.5	1.28	1708	1148	1044	702	315	245	330	260
250 MCM	5.59/220	2.03/80	34.0	1.34	1949	1310	1163	782	345	270	365	290
350 MCM	5.59/220	2.03/80	37.1	1.46	2495	1677	1397	939	415	330	440	350
500 MCM	5.59/220	2.03/80	40.4	1.59	3290	2211	1720	1156	500	400	535	430
750 MCM	5.59/220	2.03/80	47.0	1.85	4759	3199	2394	1609	610	490	655	540
1000 MCM	5.59/220	2.79/110	50.8	2.00	6081	4087	2924	1965	690	565	755	640



Caledonian Medium Voltage Cables

25kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.03/80	29.5	1.16	1056	710	794	534	185	135	190	175
1/0 AWG	6.60/260	2.03/80	31.0	1.22	1196	804	864	581	215	155	215	200
2/0 AWG	6.60/260	2.03/80	31.8	1.25	1357	912	939	631	245	175	255	230
3/0 AWG	6.60/260	2.03/80	33.3	1.31	1586	1066	1058	711	275	200	290	270
4/0 AWG	6.60/260	2.03/80	34.8	1.37	1839	1236	1174	789	315	230	330	310
250 MCM	6.60/260	2.03/80	36.1	1.42	2059	1384	1274	856	345	250	365	345
350 MCM	6.60/260	2.03/80	39.1	1.54	2614	1757	1516	1019	415	305	440	430
500 MCM	6.60/260	2.03/80	42.4	1.67	3417	2297	1848	1242	500	370	535	530
750 MCM	6.60/260	2.79/110	49.0	1.93	4937	3318	2571	1728	610	455	655	685
1000 MCM	6.60/260	2.79/110	53.1	2.09	6244	4197	3087	2075	690	525	755	825
25kV 133% to ICEA Standard												
1/0 AWG	8.76/345	2.03/80	35.3	1.39	1443	970	1111	747	215	155	215	200
2/0 AWG	8.76/345	2.03/80	37.1	1.46	1620	1089	1202	808	245	175	255	230
3/0 AWG	8.76/345	2.03/80	38.1	1.50	1830	1230	1302	875	275	200	290	270
4/0 AWG	8.76/345	2.03/80	39.6	1.56	2093	1407	1428	960	315	230	330	310
250 MCM	8.76/345	2.03/80	40.9	1.61	2321	1560	1537	1033	345	250	365	345
350 MCM	8.76/345	2.03/80	45.0	1.77	3035	2040	1937	1302	415	305	440	430
500 MCM	8.76/345	2.03/80	49.0	1.93	3910	2628	2340	1573	500	370	535	530
750 MCM	8.76/345	2.79/110	53.8	2.12	5286	3553	2922	1964	610	455	655	685
1000 MCM	8.76/345	2.79/110	57.7	2.27	6615	4446	3458	2324	690	525	755	825

Addison Medium Voltage Cables



35kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	2.03/80	35.3	1.39	1443	970	1111	747	215	165	215	170
2/0 AWG	8.76/345	2.03/80	37.1	1.46	1620	1089	1202	808	245	190	255	200
3/0 AWG	8.76/345	2.03/80	38.1	1.50	1830	1230	1302	875	275	215	290	225
4/0 AWG	8.76/345	2.03/80	39.6	1.56	2093	1407	1428	960	315	245	330	260
250 MCM	8.76/345	2.03/80	40.9	1.61	2321	1560	1537	1033	345	270	365	290
350 MCM	8.76/345	2.03/80	45.0	1.77	3035	2040	1937	1302	415	330	440	350
500 MCM	8.76/345	2.79/110	49.0	1.93	3910	2628	2340	1573	500	400	535	430
750 MCM	8.76/345	2.79/110	53.8	2.12	5286	3553	2922	1964	610	490	655	540
1000 MCM	8.76/345	2.79/110	57.7	2.27	6615	4446	3458	2324	690	565	755	640
35kV 133% to ICEA Standard												
1/0 AWG	10.67/420	2.03/80	39.6	1.56	1671	1123	1339	900	215	165	215	170
2/0 AWG	10.67/420	2.03/80	40.6	1.60	1848	1242	1430	961	245	190	255	200
3/0 AWG	10.67/420	2.03/80	42.4	1.67	2070	1391	1543	1037	275	215	290	225
4/0 AWG	10.67/420	2.03/80	45.0	1.77	2483	1669	1820	1223	315	245	330	260
250 MCM	10.67/420	2.03/80	46.2	1.82	2724	1831	1940	1304	345	270	365	290
350 MCM	10.67/420	2.79/110	49.3	1.94	3352	2253	2253	1514	415	330	440	350
500 MCM	10.67/420	2.79/110	52.6	2.07	4208	2828	2639	1774	500	400	535	430
750 MCM	10.67/420	2.79/110	57.7	2.27	5618	3776	3252	2186	610	490	655	540
1000 MCM	10.67/420	2.79/110	61.5	2.42	6967	4683	3810	2561	690	565	755	640



Caledonian Medium Voltage Cables

Tape Shielded Cables

5kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	1.52/60	16.5	0.65	466	313	299	201	120	86	110	115
2 AWG	2.29/90	1.52/60	18.0	0.71	613	412	366	246	155	115	145	150
1 AWG	2.29/90	1.52/60	19.1	0.75	713	479	406	273	180	130	175	175
1/0 AWG	2.29/90	1.52/60	20.1	0.79	838	563	460	309	210	150	200	200
2/0 AWG	2.29/90	1.52/60	21.1	0.83	991	666	571	384	235	170	225	230
3/0 AWG	2.29/90	2.03/80	23.4	0.92	1229	826	652	438	270	195	270	270
4/0 AWG	2.29/90	2.03/80	24.9	0.98	1467	986	744	500	310	225	305	310
250 MCM	2.29/90	2.03/80	26.2	1.03	1677	1127	829	557	345	250	355	345
350 MCM	2.29/90	2.03/80	29.0	1.14	2200	1479	1031	693	415	305	430	430
500 MCM	2.29/90	2.03/80	32.5	1.28	2998	2015	1345	904	505	370	530	545
750 MCM	2.29/90	2.03/80	37.3	1.47	4282	2878	1821	1224	630	470	665	710
1000 MCM	2.29/90	2.03/80	41.1	1.62	5533	3719	2267	1524	720	545	770	855
5kV 133% to ICEA Standard												
4 AWG	2.92/115	1.52/60	17.8	0.70	506	340	335	225	120	86	110	115
2 AWG	2.92/115	1.52/60	19.3	0.76	656	441	405	272	155	115	145	150
1 AWG	2.92/115	1.52/60	20.3	0.80	759	510	448	301	180	130	175	175
1/0 AWG	2.92/115	1.52/60	21.3	0.84	885	595	552	371	210	150	200	200
2/0 AWG	2.92/115	1.52/60	23.4	0.92	1091	733	620	417	235	170	225	230
3/0 AWG	2.92/115	2.03/80	24.6	0.97	1284	863	698	469	270	195	270	270
4/0 AWG	2.92/115	2.03/80	26.2	1.03	1525	1025	797	536	310	225	305	310
250 MCM	2.92/115	2.03/80	27.4	1.08	1735	1166	884	594	345	250	355	345
350 MCM	2.92/115	2.03/80	30.2	1.19	2264	1522	1094	735	415	305	430	430
500 MCM	2.92/115	2.03/80	33.8	1.33	3068	2062	1413	950	505	370	530	545
750 MCM	2.92/115	2.03/80	38.6	1.52	4361	2931	1895	1274	630	470	665	710
1000 MCM	2.92/115	2.03/80	42.4	1.67	5621	3778	2495	1677	720	545	770	855

Addison Medium Voltage Cables



8kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	1.52/60	17.8	0.70	506	340	335	225	115	91	150	115
2 AWG	2.92/115	1.52/60	19.3	0.76	656	441	405	272	155	120	195	150
1 AWG	2.92/115	1.52/60	20.3	0.80	759	510	448	301	175	135	225	175
1/0 AWG	2.92/115	1.52/60	21.3	0.84	885	595	552	371	200	155	260	200
2/0 AWG	2.92/115	1.52/60	23.4	0.92	1091	733	620	417	230	175	300	235
3/0 AWG	2.92/115	1.52/60	24.6	0.97	1284	863	698	469	260	200	345	270
4/0 AWG	2.92/115	1.52/60	26.2	1.03	1525	1025	797	536	295	230	400	310
250 MCM	2.92/115	1.52/60	27.4	1.08	1735	1166	884	594	325	250	445	345
350 MCM	2.92/115	1.91/75	30.2	1.19	2264	1522	1094	735	390	305	550	430
500 MCM	2.92/115	1.91/75	33.8	1.33	3068	2062	1413	950	465	370	685	535
750 MCM	2.92/115	2.16/85	38.6	1.52	4361	2931	1895	1274	565	455	885	700
1000 MCM	2.92/115	2.16/85	42.4	1.67	5621	3778	2495	1677	640	525	1060	840
8kV 133% to ICEA Standard												
2 AWG	3.56/140	1.52/60	20.6	0.81	702	472	446	300	195	120	155	150
1 AWG	3.56/140	1.52/60	21.6	0.85	806	542	542	364	225	135	175	175
1/0 AWG	3.56/140	1.52/60	23.6	0.93	985	662	603	405	260	155	200	200
2/0 AWG	3.56/140	1.52/60	24.6	0.97	1144	769	668	449	300	175	230	235
3/0 AWG	3.56/140	1.52/60	25.9	1.02	1341	901	751	505	345	200	260	270
4/0 AWG	3.56/140	1.52/60	27.4	1.08	1583	1064	853	573	400	230	295	310
250 MCM	3.56/140	1.52/60	28.7	1.13	1797	1208	940	632	445	250	325	345
350 MCM	3.56/140	1.91/75	31.5	1.24	2331	1567	1155	776	550	305	390	430
500 MCM	3.56/140	1.91/75	35.1	1.38	3142	2112	1480	995	685	370	465	535
750 MCM	3.56/140	2.16/85	39.9	1.57	4443	2986	1971	1325	885	455	565	700
1000 MCM	3.56/140	2.16/85	45.2	1.78	5856	3936	2590	1741	1060	525	640	840



Caledonian Medium Voltage Cables

15kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.03/80	23.4	0.92	820	551	613	412	155	120	195	150
1 AWG	4.45/175	2.03/80	24.4	0.96	928	624	667	448	175	135	225	175
1/0 AWG	4.45/175	2.03/80	25.4	1.00	1062	714	731	491	200	155	260	200
2/0 AWG	4.45/175	2.03/80	26.4	1.04	1224	823	806	542	230	175	300	235
3/0 AWG	4.45/175	2.03/80	27.7	1.09	1422	956	896	602	260	200	345	270
4/0 AWG	4.45/175	2.03/80	29.2	1.15	1669	1122	1006	676	295	230	400	310
250 MCM	4.45/175	2.03/80	30.5	1.20	1887	1268	1102	741	325	250	445	345
350 MCM	4.45/175	2.03/80	33.5	1.32	2455	1650	1357	912	390	305	550	430
500 MCM	4.45/175	2.03/80	36.8	1.45	3248	2183	1680	1129	465	370	685	535
750 MCM	4.45/175	2.03/80	41.7	1.64	4562	3066	2196	1476	565	455	885	700
1000 MCM	4.45/175	2.79/110	47.5	1.87	6027	4051	2870	1929	640	525	1060	840
15kV 133% to ICEA Standard												
2 AWG	5.59/220	2.03/80	25.7	1.01	918	617	711	478	155	120	195	150
1 AWG	5.59/220	2.03/80	26.7	1.05	1031	693	768	516	175	135	225	175
1/0 AWG	5.59/220	2.03/80	27.7	1.09	1168	785	836	562	200	155	260	200
2/0 AWG	5.59/220	2.03/80	28.7	1.13	1333	896	915	615	230	175	300	235
3/0 AWG	5.59/220	2.03/80	30.0	1.18	1537	1033	1009	678	260	200	345	270
4/0 AWG	5.59/220	2.03/80	31.5	1.24	1788	1202	1123	755	295	230	400	310
250 MCM	5.59/220	2.03/80	33.3	1.31	2035	1368	1251	841	325	250	445	345
350 MCM	5.59/220	2.03/80	35.8	1.41	2587	1739	1489	1001	390	305	550	430
500 MCM	5.59/220	2.03/80	39.1	1.54	3392	2280	1823	1225	465	370	685	535
750 MCM	5.59/220	2.03/80	45.5	1.79	4868	3272	2502	1682	565	455	885	700
1000 MCM	5.59/220	2.79/110	49.8	1.96	6209	4173	3051	2051	640	525	1060	840

Addison Medium Voltage Cables



25kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.03/80	28.7	1.13	1128	758	866	582	175	135	225	175
1/0 AWG	6.60/260	2.03/80	29.7	1.17	1268	852	936	629	200	155	260	200
2/0 AWG	6.60/260	2.03/80	30.7	1.21	1436	965	1018	684	230	175	300	230
3/0 AWG	6.60/260	2.03/80	32.5	1.28	1669	1122	1143	768	260	200	345	270
4/0 AWG	6.60/260	2.03/80	34.0	1.34	1927	1295	1262	848	295	230	395	310
250 MCM	6.60/260	2.03/80	35.3	1.39	2153	1447	1367	919	325	250	440	345
350 MCM	6.60/260	2.03/80	37.8	1.49	2711	1822	1613	1084	390	305	545	430
500 MCM	6.60/260	2.03/80	41.1	1.62	3526	2370	1956	1315	465	370	680	530
750 MCM	6.60/260	2.79/110	48.0	1.89	5060	3401	2696	1812	565	455	870	685
1000 MCM	6.60/260	2.79/110	51.8	2.04	6375	4285	3218	2163	640	525	1040	825
25kV 133% to ICEA Standard												
1/0 AWG	8.76/345	2.03/80	34.5	1.36	1532	1030	1202	808	200	155	260	200
2/0 AWG	8.76/345	2.03/80	35.6	1.40	1709	1149	1291	868	230	175	300	230
3/0 AWG	8.76/345	2.03/80	36.8	1.45	1925	1294	1399	940	260	200	345	270
4/0 AWG	8.76/345	2.03/80	38.4	1.51	2192	1473	1528	1027	295	230	395	310
250 MCM	8.76/345	2.03/80	39.6	1.56	2427	1631	1641	1103	325	250	440	345
350 MCM	8.76/345	2.03/80	42.4	1.67	3002	2018	1904	1280	390	305	545	430
500 MCM	8.76/345	2.03/80	47.5	1.87	4027	2707	2459	1653	465	370	680	530
750 MCM	8.76/345	2.79/110	52.3	2.06	5422	3644	3056	2054	565	455	870	685
1000 MCM	8.76/345	2.79/110	56.1	2.21	6761	4544	3603	2422	640	525	1040	825



Caledonian Medium Voltage Cables

35kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	2.03/80	34.5	1.36	1532	1030	1202	808	200	155	260	200
2/0 AWG	8.76/345	2.03/80	35.6	1.40	1709	1149	1291	868	230	175	300	230
3/0 AWG	8.76/345	2.03/80	36.8	1.45	1925	1294	1399	940	260	200	345	270
4/0 AWG	8.76/345	2.03/80	38.4	1.51	2192	1473	1528	1027	295	230	395	310
250 MCM	8.76/345	2.03/80	39.6	1.56	2427	1631	1641	1103	325	250	440	345
350 MCM	8.76/345	2.03/80	42.4	1.67	3002	2018	1904	1280	390	305	545	430
500 MCM	8.76/345	2.79/110	47.5	1.87	4027	2707	2459	1653	465	370	680	530
750 MCM	8.76/345	2.79/110	52.3	2.06	5422	3644	3056	2054	565	455	870	685
1000 MCM	8.76/345	2.79/110	56.1	2.21	6761	4544	3603	2422	640	525	1040	825
35kV 133% to ICEA Standard												
1/0 AWG	10.67/420	2.03/80	38.4	1.51	1770	1190	1439	967	200	155	260	200
2/0 AWG	10.67/420	2.03/80	39.6	1.56	1953	1313	1535	1032	230	175	300	230
3/0 AWG	10.67/420	2.03/80	40.9	1.61	2177	1463	1650	1109	260	200	345	270
4/0 AWG	10.67/420	2.03/80	42.2	1.66	2450	1647	1785	1200	295	230	395	310
250 MCM	10.67/420	2.03/80	45.2	1.78	2839	1908	2055	1381	325	250	440	345
350 MCM	10.67/420	2.03/80	48.3	1.90	3476	2336	2378	1598	390	305	545	430
500 MCM	10.67/420	2.79/110	51.6	2.03	4343	2919	2775	1865	465	370	680	530
750 MCM	10.67/420	2.79/110	56.1	2.21	5764	3874	3398	2284	565	455	870	685
1000 MCM	10.67/420	2.79/110	59.9	2.36	7124	4788	3966	2666	640	525	1040	825

Addison Medium Voltage Cables



Concentric Neutral Cables

5kV 100% Single Phase - Full Neutral												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C Direct Buried	
			(D)		CU		AL		CU	AL	CU	AL
2 SOLID	2.29/90	1.52/60	20.1	0.79	848	570	536	360	152	119	215	169
2 AWG	2.29/90	2.03/80	20.8	0.82	869	584	558	375	153	120	217	170
1 SOLID	2.29/90	2.03/80	20.8	0.82	1047	704	628	422	175	136	245	193
1 AWG	2.29/90	2.03/80	21.8	0.86	1077	724	653	439	176	138	247	195
1/0 SOLID	2.29/90	2.03/80	21.8	0.86	1251	841	729	490	198	155	277	219
1/0 AWG	2.29/90	2.03/80	22.9	0.90	1282	862	757	509	200	156	280	220
2/0 AWG	2.29/90	2.03/80	24.6	0.97	1601	1076	933	627	231	181	317	251
3/0 AWG	2.29/90	2.03/80	25.9	1.02	1921	1291	1095	736	262	206	359	285
4/0 AWG	2.29/90	2.03/80	28.5	1.12	2366	1590	1360	914	300	237	407	323
250 MCM	2.29/90	2.03/80	30.0	1.18	-	-	1601	1076	-	264	-	258
350 MCM	2.29/90	2.03/80	33.0	1.30	-	-	2026	1362	-	314	-	421
5kV 100% Three Phase - One-Third Neutral												
2 SOLID	2.29/90	1.52/60	20.1	0.79	674	453	466	313	157	123	227	178
2 AWG	2.29/90	1.52/60	20.8	0.82	696	468	489	329	158	123	228	179
1 SOLID	2.29/90	1.52/60	20.8	0.82	784	527	506	340	179	140	256	202
1 AWG	2.29/90	2.03/80	21.8	0.86	811	545	531	357	180	140	256	203
1/0 SOLID	2.29/90	2.03/80	21.8	0.86	937	630	555	373	204	159	286	229
1/0 AWG	2.29/90	2.03/80	22.9	0.90	969	651	585	393	205	160	287	229
2/0 AWG	2.29/90	2.03/80	23.9	0.94	1153	775	665	447	233	182	320	258
3/0 AWG	2.29/90	2.03/80	25.1	0.99	1390	934	777	522	265	208	353	290
4/0 AWG	2.29/90	2.03/80	26.7	1.05	1690	1136	905	608	301	237	385	323
250 MCM	2.29/90	2.03/80	27.9	1.10	1959	1317	1031	693	330	261	409	348
350 MCM	2.29/90	2.03/80	30.5	1.20	2648	1780	1320	887	393	314	452	399
500 MCM	2.29/90	2.03/80	35.5	1.39	3751	2521	1814	1219	464	381	494	449
750 MCM	2.29/90	2.03/80	40.1	1.58	5532	3718	2516	1691	540	464	552	505
1000 MCM	2.29/90	2.79/110	46.5	1.83	7211	4847	3355	2255	586	522	607	541



Caledonian Medium Voltage Cables

5kV 133% Single Phase - Full Neutral												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C Direct Buried	
			(D)		CU		AL		CU	AL	CU	AL
2 SOLID	2.92/115	2.03/80	21.3	0.84	887	596	574	386	152	119	215	169
2 AWG	2.92/115	2.03/80	22.1	0.87	909	611	598	402	153	120	217	170
1 SOLID	2.92/115	2.03/80	22.1	0.87	1089	732	668	449	175	136	245	193
1 AWG	2.92/115	2.03/80	23.1	0.91	1120	753	695	467	176	138	247	195
1/0 SOLID	2.92/115	2.03/80	23.1	0.91	1296	871	771	518	198	155	277	219
1/0 AWG	2.92/115	2.03/80	24.1	0.95	1329	893	802	539	200	156	280	220
2/0 AWG	2.92/115	2.03/80	25.9	1.02	1650	1109	980	659	231	181	317	251
3/0 AWG	2.92/115	2.03/80	27.2	1.07	1973	1326	1144	769	262	206	359	285
4/0 AWG	2.92/115	2.03/80	29.7	1.17	2422	1628	1415	951	300	237	407	323
250 MCM	2.92/115	2.03/80	31.2	1.23	-	-	1659	1115	-	264	-	358
350 MCM	2.92/115	2.03/80	34.3	1.35	-	-	2090	1405	-	314	-	421
5kV 133% Three Phase - One-Third Neutral												
2 SOLID	2.92/115	2.03/80	21.3	0.84	708	479	504	339	157	123	227	178
2 AWG	2.92/115	2.03/80	22.1	0.87	736	495	530	356	158	123	228	179
1 SOLID	2.92/115	2.03/80	22.1	0.87	824	554	546	367	179	140	256	202
1 AWG	2.92/115	2.03/80	23.1	0.91	853	573	573	385	180	140	256	203
1/0 SOLID	2.92/115	2.03/80	23.1	0.91	980	659	597	401	204	159	286	229
1/0 AWG	2.92/115	2.03/80	24.1	0.95	1012	680	628	422	205	160	287	229
2/0 AWG	2.92/115	2.03/80	25.1	0.99	1198	805	711	478	233	182	320	258
3/0 AWG	2.92/115	2.03/80	26.4	1.04	1439	967	824	554	265	208	353	290
4/0 AWG	2.92/115	2.03/80	27.9	1.10	1742	1171	955	642	301	237	385	323
250 MCM	2.92/115	2.03/80	29.2	1.15	2013	1353	1085	729	330	261	409	348
350 MCM	2.92/115	2.03/80	31.8	1.25	2708	1820	1378	926	393	314	452	399
500 MCM	2.92/115	2.03/80	36.6	1.44	3819	2567	1881	1264	464	381	494	449
750 MCM	2.92/115	2.03/80	41.4	1.63	5613	3773	2592	1742	540	464	552	505
1000MCM	2.92/115	2.79/110	47.8	1.88	7302	4908	3443	2314	586	522	607	541

Addison Medium Voltage Cables



15kV 100% Single Phase - Full Neutral												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C Direct Buried	
			(D)		CU		AL		CU	AL	CU	AL
2 SOLID	4.45/175	2.03/80	24.4	0.96	989	665	677	455	157	123	215	169
2 AWG	4.45/175	2.03/80	25.1	0.99	1015	682	704	473	158	124	217	170
1 SOLID	4.45/175	2.03/80	25.1	0.99	1201	807	774	520	181	141	245	193
1 AWG	4.45/175	2.03/80	26.2	1.03	1235	830	805	541	182	143	246	194
1/0 SOLID	4.45/175	2.03/80	26.2	1.03	1410	948	881	592	205	160	277	219
1/0 AWG	4.45/175	2.03/80	26.4	1.07	1448	973	916	616	207	162	279	220
2/0 AWG	4.45/175	2.03/80	29.0	1.14	1779	1196	1104	742	237	183	317	251
3/0 AWG	4.45/175	2.03/80	30.2	1.19	2108	1417	1274	856	270	212	359	284
4/0 AWG	4.45/175	2.03/80	32.8	1.29	2565	1724	1556	1046	307	243	407	323
250 MCM	4.45/175	2.03/80	34.3	1.35	-	-	1806	1214	-	270	-	358
350 MCM	4.45/175	2.03/80	37.8	1.49	-	-	2285	1536	-	321	-	420
15kV 100% Three Phase – One-Third Neutral												
2 SOLID	4.45/175	2.03/80	24.4	0.96	815	548	609	409	162	126	223	175
2 AWG	4.45/175	2.03/80	25.1	0.99	842	566	635	427	162	126	224	175
1 SOLID	4.45/175	2.03/80	25.1	0.99	930	625	653	439	184	143	252	199
1 AWG	4.45/175	2.03/80	26.2	1.03	963	647	683	459	184	144	252	199
1/0 SOLID	4.45/175	2.03/80	26.2	1.03	1091	733	707	475	209	163	283	225
1/0 AWG	4.45/175	2.03/80	27.2	1.07	1126	757	742	499	210	163	284	225
2/0 AWG	4.45/175	2.03/80	28.2	1.11	1318	886	830	558	238	186	317	255
3/0 AWG	4.45/175	2.03/80	29.5	1.16	1564	1051	949	638	271	212	351	286
4/0 AWG	4.45/175	2.03/80	31.0	1.22	1873	1259	1086	730	307	241	385	320
250 MCM	4.45/175	2.03/80	32.3	1.27	2150	1445	1221	821	336	265	410	345
350 MCM	4.45/175	2.03/80	35.3	1.39	2894	1945	1559	1048	400	319	457	398
500 MCM	4.45/175	2.03/80	39.6	1.56	3995	2685	2050	1378	471	385	501	451
750 MCM	4.45/175	2.79/110	46	1.81	5820	3912	2883	1938	548	468	559	507
1000 MCM	4.45/175	2.79/110	51.6	2.03	7598	5107	3730	2507	596	529	669	549



Caledonian Medium Voltage Cables

15kV 133% Single Phase - Full Neutral												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C Direct Buried	
			(D)		CU		AL		CU	AL	CU	AL
2 SOLID	5.59/220	2.03/80	26.7	1.05	1076	723	763	513	157	123	215	169
2 AWG	5.59/220	2.03/80	27.4	1.08	1104	742	793	533	158	124	217	170
1 SOLID	5.59/220	2.03/80	27.4	1.08	1291	868	863	580	181	141	245	193
1 AWG	5.59/220	2.03/80	28.4	1.12	1329	893	897	603	182	143	246	194
1/0 SOLID	5.59/220	2.03/80	28.4	1.12	1504	1011	973	654	205	160	277	219
1/0 AWG	5.59/220	2.03/80	29.5	1.16	1546	1039	1012	680	207	162	279	220
2/0 AWG	5.59/220	2.03/80	31.2	1.23	1884	1266	1207	811	237	186	317	251
3/0 AWG	5.59/220	2.03/80	32.5	1.28	2217	1490	1379	927	270	212	359	284
4/0 AWG	5.59/220	2.03/80	35.1	1.38	2683	1803	1669	1122	307	243	407	323
250 MCM	5.59/220	2.03/80	37.1	1.46	-	-	1956	1315	-	270	-	358
350 MCM	5.59/220	2.03/80	40.1	1.58	-	-	2416	1624	-	321	-	420
15kV 133% Three Phase – One-Third Neutral												
2 SOLID	5.59/220	2.03/80	26.7	1.05	902	606	693	466	162	126	223	175
2 AWG	5.59/220	2.03/80	27.4	1.08	930	625	723	486	162	126	227	175
1 SOLID	5.59/220	2.03/80	27.4	1.08	1019	685	741	498	184	143	252	199
1 AWG	5.59/220	2.03/80	28.4	1.12	1055	709	775	521	184	144	252	199
1/0 SOLID	5.59/220	2.03/80	28.4	1.12	1181	794	799	537	209	163	283	225
1/0 AWG	5.59/220	2.03/80	26.9	1.16	1266	821	838	563	210	163	284	225
2/0 AWG	5.59/220	2.03/80	30.5	1.20	1416	952	928	624	238	186	317	255
3/0 AWG	5.59/220	2.03/80	31.8	1.25	1666	1120	1052	707	271	212	351	286
4/0 AWG	5.59/220	2.03/80	33.3	1.31	1980	1331	1195	803	307	241	385	320
250 MCM	5.59/220	2.03/80	35.1	1.38	2293	1541	1364	917	336	265	410	345
350 MCM	5.59/220	2.03/80	37.6	1.48	3019	2029	1681	1130	400	319	457	398
500 MCM	5.59/220	2.03/80	43.4	1.71	4233	2845	2282	1534	471	385	501	451
750 MCM	5.59/220	2.79/110	48.3	1.90	5984	4022	3040	2043	548	468	559	507
1000 MCM	5.59/220	2.79/110	53.8	2.12	7780	5229	3907	2626	593	529	669	549

Addison Medium Voltage Cables



25kV 100% Single Phase - Full Neutral												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C Direct Buried	
			(D)		CU		AL		CU	AL	CU	AL
1 SOLID	6.60/260	2.03/80	29.5	1.16	1379	927	948	637	186	145	245	192
1 AWG	6.60/260	2.03/80	30.5	1.20	1375	954	985	662	187	146	246	194
1/0 SOLID	6.60/260	2.03/80	30.5	1.20	1595	1072	1061	713	210	165	277	218
1/0 AWG	6.60/260	2.03/80	31.5	1.24	1638	1101	1102	741	212	166	279	219
2/0 AWG	6.60/260	2.03/80	58.7	1.31	1983	1333	1302	875	243	190	317	250
3/0 AWG	6.60/260	2.03/80	35.1	1.38	2352	1581	1510	1015	276	217	359	283
4/0 AWG	6.60/260	2.03/80	37.6	1.48	2825	1899	1811	1217	314	248	406	322
250 MCM	6.60/260	2.03/80	39.1	1.54	-	-	2071	1392	-	276	-	356
350 MCM	6.60/260	2.79/110	43.7	1.72	-	-	2636	1772	-	326	-	416
25kV 100% Three Phase – One-Third Neutral												
1 SOLID	6.60/260	2.03/80	29.5	1.16	1104	742	826	555	187	146	249	196
1 AWG	6.60/260	2.03/80	30.5	1.20	1143	768	863	580	187	146	249	196
1/0 SOLID	6.60/260	2.03/80	30.5	1.20	1269	853	887	596	213	166	280	222
1/0 AWG	6.60/260	2.03/80	31.5	1.24	1312	882	928	624	213	166	281	222
2/0 AWG	6.60/260	2.03/80	32.5	1.28	1510	1015	1022	687	242	189	314	251
3/0 AWG	6.60/260	2.03/80	34.3	1.35	1794	1206	1180	793	275	216	349	283
4/0 AWG	6.60/260	2.03/80	35.8	1.41	2114	1421	1327	892	311	245	384	317
250 MCM	6.60/260	2.03/80	37.1	1.46	2401	1614	1473	990	341	269	410	343
350 MCM	6.60/260	2.03/80	39.6	1.56	3138	2109	1797	1208	405	322	460	397
500 MCM	6.60/260	2.79/110	45.5	1.79	4368	2936	2415	1623	475	389	504	451
750 MCM	6.60/260	2.79/110	51.1	2.01	6204	4170	3251	2187	556	473	567	513
1000 MCM	6.60/260	2.79/110	55.9	2.20	7948	5342	4071	2736	603	533	620	555



Caledonian Medium Voltage Cables

25kV 133% Single Phase - Full Neutral												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C Direct Buried	
			(D)		CU		AL		CU	AL	CU	AL
1 SOLID	6.60/260	2.03/80	32.8	1.29	1526	1026	1092	734	186	145	245	192
1 AWG	6.60/260	2.03/80	33.5	1.32	1571	1056	1132	761	187	146	246	194
1/0 SOLID	6.60/260	2.03/80	33.5	1.32	1747	1174	1208	812	210	165	277	218
1/0 AWG	6.60/260	2.03/80	35.1	1.38	1827	1228	1285	864	212	166	279	219
2/0 AWG	6.60/260	2.03/80	37.1	1.46	2184	1468	1497	1006	243	190	317	250
3/0 AWG	6.60/260	2.03/80	38.4	1.51	2528	1699	1680	1129	276	217	359	283
4/0 AWG	6.60/260	2.03/80	40.9	1.61	3010	2023	1992	1339	314	248	406	322
250 MCM	6.60/260	2.79/110	43.7	1.72	-	-	2355	1583	-	276	-	356
350 MCM	6.60/260	2.79/110	46.2	1.82	-	-	2846	1913	-	326	-	416
25kV 133% Three Phase – One-Third Neutral												
1 SOLID	6.60/260	2.03/80	32.8	1.29	1247	838	970	652	187	146	249	196
1 AWG	6.60/260	2.03/80	33.5	1.32	1290	867	1010	679	187	146	249	196
1/0 SOLID	6.60/260	2.03/80	33.5	1.32	1416	952	1034	695	213	166	280	222
1/0 AWG	6.60/260	2.03/80	35.1	1.38	1495	1005	1111	747	213	166	281	222
2/0 AWG	6.60/260	2.03/80	36.1	1.42	1699	1142	1211	814	242	189	314	251
3/0 AWG	6.60/260	2.03/80	37.3	1.47	1959	1317	1346	905	275	216	349	283
4/0 AWG	6.60/260	2.03/80	38.9	1.53	2287	1537	1500	1008	311	245	384	317
250 MCM	6.60/260	2.03/80	40.4	1.59	2580	1734	1651	1110	341	269	410	343
350 MCM	6.60/260	2.79/110	44.5	1.75	3431	2306	2084	1401	405	322	460	397
500 MCM	6.60/260	2.79/110	48.5	1.91	4590	3085	2630	1768	475	389	504	451
750 MCM	6.60/260	2.79/110	54.1	2.13	6456	4339	3496	2350	556	473	567	513
1000 MCM	6.60/260	2.79/110	58.9	2.32	8219	5524	4335	2914	603	553	620	555



35kV 100% Single Phase - Full Neutral												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C Direct Buried	
			(D)		CU		AL		CU	AL	CU	AL
1/0 SOLID	8.76/345	2.03/80	35.3	1.39	1843	1239	1303	876	215	168	276	217
1/0 AWG	8.76/345	2.03/80	36.3	1.43	1895	1274	1352	909	217	169	278	218
2/0 AWG	8.76/345	2.03/80	38.4	1.51	2256	1516	1567	1053	248	194	316	249
3/0 AWG	8.76/345	2.03/80	39.6	1.56	2602	1749	1753	1178	281	220	358	283
4/0 AWG	8.76/345	2.79/110	43.7	1.72	3185	2141	2165	1455	319	252	402	321
250 MCM	8.76/345	2.79/110	45.0	1.77	-	-	2437	1638	-	280	-	353
350 MCM	8.76/345	2.79/110	48.3	1.90	-	-	2935	1973	-	331	-	416
35kV 100% Three Phase – One-Third Neutral												
1 SOLID	8.76/345	2.03/80	35.3	1.39	1512	1016	1129	759	216	168	277	219
1/0 AWG	8.76/345	2.03/80	36.3	1.43	1562	1050	1178	792	216	168	278	219
2/0 AWG	8.76/345	2.03/80	37.3	1.47	1768	1188	1281	861	245	191	311	248
3/0 AWG	8.76/345	2.03/80	38.6	1.52	2031	1365	1416	952	278	218	347	280
4/0 AWG	8.76/345	2.03/80	40.1	1.58	2360	1586	1574	1058	314	247	383	314
250 MCM	8.76/345	2.03/80	43.2	1.70	2749	1848	1821	1224	344	271	409	339
350 MCM	8.76/345	2.79/110	45.7	1.80	3516	2363	2168	1457	408	325	461	394
500 MCM	8.76/345	2.79/110	50.5	1.99	4752	3194	2790	1875	480	392	510	452
750 MCM	8.76/345	2.79/110	55.4	2.18	6561	4410	3599	2419	561	476	573	517
1000 MCM	8.76/345	2.79/110	60.2	2.37	8333	5601	4447	2989	609	536	626	560



Caledonian Medium Voltage Cables

35kV 100% Single Phase - Full Neutral												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C Direct Buried	
			(D)		CU		AL		CU	AL	CU	AL
1/0 SOLID	0.67/420	2.03/80	39.4	1.55	2062	1386	1518	1020	215	168	276	217
1/0 AWG	0.67/420	2.03/80	40.1	1.58	2120	1425	1571	1056	217	169	278	218
2/0 AWG	0.67/420	2.79/110	43.7	1.72	2592	1742	1892	1272	248	194	316	249
3/0 AWG	0.67/420	2.79/110	45.0	1.77	2947	1981	2089	1404	281	220	358	283
4/0 AWG	0.67/420	2.79/110	47.5	1.87	3450	2319	2427	1631	319	252	402	321
250 MCM	0.67/420	2.79/110	49.0	1.93	-	-	2706	1819	-	280	-	353
350 MCM	0.67/420	2.79/110	52.8	2.08	-	-	3293	2213	-	331	-	416
35kV 100% Three Phase – One-Third Neutral												
1 SOLID	0.67/420	2.03/80	39.4	1.55	1726	1160	1343	903	216	168	277	219
1/0 AWG	0.67/420	2.03/80	40.1	1.58	1781	1197	1397	939	216	168	278	219
2/0 AWG	0.67/420	2.03/80	41.4	1.63	1994	1340	1506	1012	245	191	311	248
3/0 AWG	0.67/420	2.79/110	44.2	1.74	2361	1587	1747	1174	278	218	347	280
4/0 AWG	0.67/420	2.79/110	45.7	1.80	2702	1816	1915	1287	314	247	383	314
250 MCM	0.67/420	2.79/110	47.0	1.85	3008	2022	2080	1398	344	271	409	339
350 MCM	0.67/420	2.79/110	50.3	1.98	3861	2595	2507	1685	408	325	461	394
500 MCM	0.67/420	2.79/110	54.6	2.15	5060	3401	3090	2077	480	392	510	452
750 MCM	0.67/420	2.79/110	59.2	2.33	6899	4637	3928	2640	561	476	573	517
1000 MCM	0.67/420	2.79/110	64.3	2.53	8698	5846	4803	3228	609	536	626	560

Addison Medium Voltage Cables



EPR INSULATED CABLES MV-105 Wire Shielded Cables

5kV 100% Copper to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	1.52/60	17.3	0.68	445	299	315	212	120	93	160	125
2 AWG	2.29/90	1.52/60	18.5	0.73	586	394	379	255	155	125	215	165
1 AWG	2.29/90	1.52/60	19.6	0.77	683	459	421	283	180	140	250	195
1/0 AWG	2.29/90	2.03/80	20.6	0.81	806	542	473	318	210	160	290	225
2/0 AWG	2.29/90	2.03/80	22.4	0.88	1001	673	585	393	235	185	330	260
3/0 AWG	2.29/90	2.03/80	23.6	0.93	1187	798	662	445	270	210	385	300
4/0 AWG	2.29/90	2.03/80	25.1	0.99	1418	953	759	510	310	245	445	350
250 MCM	2.29/90	2.03/80	26.2	1.03	1625	1092	848	570	345	270	495	385
350 MCM	2.29/90	2.03/80	28.7	1.13	2142	1440	1047	704	415	325	615	480
500 MCM	2.29/90	2.03/80	32.3	1.27	2924	1965	1363	916	505	400	775	605
750 MCM	2.29/90	2.03/80	37.1	1.46	4227	2841	1836	1234	630	505	1000	790
1000 MCM	2.29/90	2.79/110	41.1	1.62	5432	3651	2302	1547	720	590	1200	950
5kV 133% to ICEA Standard												
4 AWG	2.92/115	1.52/60	18.5	0.73	487	327	356	239	120	93	160	125
2 AWG	2.92/115	1.52/60	19.8	0.78	631	424	424	285	155	125	215	165
1 AWG	2.92/115	1.52/60	20.8	0.82	728	489	467	314	180	140	250	195
1/0 AWG	2.92/115	2.03/80	22.9	0.90	905	608	571	384	210	160	290	225
2/0 AWG	2.92/115	2.03/80	23.6	0.93	1053	708	637	428	235	185	330	260
3/0 AWG	2.92/115	2.03/80	25.1	0.99	1247	838	722	485	270	210	385	300
4/0 AWG	2.92/115	2.03/80	26.4	1.04	1479	994	818	550	310	245	445	350
250 MCM	2.92/115	2.03/80	27.4	1.08	1686	1133	909	611	345	270	495	385
350 MCM	2.92/115	2.03/80	30.0	1.18	2209	1485	1114	749	415	325	615	480
500 MCM	2.92/115	2.03/80	33.5	1.32	2999	2016	1439	967	505	400	775	605
750 MCM	2.92/115	2.03/80	38.4	1.51	4315	2900	1925	1294	630	505	1000	790
1000 MCM	2.92/115	2.79/110	43.9	1.73	5672	3812	2541	1708	720	590	1200	950



Caledonian Medium Voltage Cables

8kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	1.52/60	18.5	0.73	487	327	356	239	125	98	165	130
2 AWG	2.92/115	1.52/60	19.8	0.78	631	424	424	285	165	130	215	170
1 AWG	2.92/115	2.03/80	20.8	0.82	728	489	467	314	185	145	250	195
1/0 AWG	2.92/115	2.03/80	22.9	0.90	905	608	571	384	215	165	290	225
2/0 AWG	2.92/115	2.03/80	23.6	0.93	1053	708	637	428	245	190	335	260
3/0 AWG	2.92/115	2.03/80	25.1	0.99	1247	838	722	485	275	215	385	300
4/0 AWG	2.92/115	2.03/80	26.4	1.04	1479	994	818	550	315	245	445	350
250 MCM	2.92/115	2.03/80	27.4	1.08	1686	1133	909	611	345	270	495	385
350 MCM	2.92/115	2.03/80	30.0	1.18	2209	1485	1114	749	415	330	610	480
500 MCM	2.92/115	2.03/80	33.5	1.32	2999	2016	1439	967	500	400	765	600
750 MCM	2.92/115	2.03/80	38.4	1.51	4315	2900	1925	1294	610	490	990	780
1000 MCM	2.92/115	2.79/110	43.9	1.73	5672	3812	2541	1708	690	565	1185	940
8kV 133% to ICEA Standard												
2 AWG	3.56/140	2.03/80	21.1	0.83	680	457	473	318	165	130	215	170
1 AWG	3.56/140	2.03/80	23.1	0.91	827	556	567	381	185	145	250	195
1/0 AWG	3.56/140	2.03/80	24.4	0.96	963	647	623	419	215	165	290	225
2/0 AWG	3.56/140	2.03/80	25.1	0.99	1113	748	695	467	245	190	335	260
3/0 AWG	3.56/140	2.03/80	26.2	1.03	1305	877	780	524	275	215	385	300
4/0 AWG	3.56/140	2.03/80	27.7	1.09	1540	1035	881	592	315	245	445	350
250 MCM	3.56/140	2.03/80	28.7	1.13	1753	1178	976	656	345	270	495	385
350 MCM	3.56/140	2.03/80	31.8	1.25	2284	1535	1189	799	415	330	610	480
500 MCM	3.56/140	2.03/80	34.8	1.37	3080	2070	1519	1021	500	400	765	600
750 MCM	3.56/140	2.03/80	39.6	1.56	4404	2960	2014	1354	610	490	990	780
1000 MCM	3.56/140	2.79/110	45.2	1.78	5774	3881	2644	1777	690	565	1185	940

Addison Medium Voltage Cables



15kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.03/80	23.9	0.94	800	538	594	399	165	130	215	170
1 AWG	4.45/175	2.03/80	25.1	0.99	908	610	646	434	185	145	250	195
1/0 AWG	4.45/175	2.03/80	25.9	1.02	1040	699	705	474	215	165	290	225
2/0 AWG	4.45/175	2.03/80	26.7	1.05	1195	803	780	524	245	190	335	260
3/0 AWG	4.45/175	2.03/80	27.9	1.10	1391	935	866	582	275	215	385	300
4/0 AWG	4.45/175	2.03/80	29.5	1.16	1634	1098	973	654	315	245	445	350
250 MCM	4.45/175	2.03/80	31.0	1.22	1852	1245	1074	722	345	270	495	385
350 MCM	4.45/175	2.03/80	33.5	1.32	2412	1621	1317	885	415	330	610	480
500 MCM	4.45/175	2.03/80	37.1	1.46	3200	2151	1640	1102	500	400	765	600
750 MCM	4.45/175	2.79/110	41.4	1.63	4533	3047	2144	1441	610	490	990	780
1000 MCM	4.45/175	2.79/110	47.8	1.88	5963	4008	2833	1904	690	565	1185	940
15kV 133% to ICEA Standard												
2 AWG	5.59/220	2.03/80	26.2	1.03	908	610	701	471	165	130	215	170
1 AWG	5.59/220	2.03/80	27.2	1.07	1015	682	753	506	185	145	250	195
1/0 AWG	5.59/220	2.03/80	28.4	1.12	1156	777	818	550	215	165	290	225
2/0 AWG	5.59/220	2.03/80	29.0	1.14	1312	882	896	602	245	190	335	260
3/0 AWG	5.59/220	2.03/80	30.5	1.20	1516	1019	992	667	275	215	385	300
4/0 AWG	5.59/220	2.03/80	31.8	1.25	1760	1183	1101	740	315	245	445	350
250 MCM	5.59/220	2.03/80	33.3	1.31	2007	1349	1230	827	345	270	495	385
350 MCM	5.59/220	2.03/80	35.8	1.41	2556	1718	1461	982	415	330	610	480
500 MCM	5.59/220	2.03/80	39.1	1.54	3356	2256	1796	1207	500	400	765	600
750 MCM	5.59/220	2.79/110	45.2	1.78	4858	3265	2468	1659	610	490	990	780
1000 MCM	5.59/220	2.79/110	49.5	1.95	6163	4142	3032	2038	690	565	1185	940



Caledonian Medium Voltage Cables

25kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.03/80	29.2	1.15	1119	752	857	576	185	145	250	195
1/0 AWG	6.60/260	2.03/80	30.5	1.20	1266	851	925	622	215	165	290	225
2/0 AWG	6.60/260	2.03/80	31.2	1.23	1425	958	1010	679	245	190	330	260
3/0 AWG	6.60/260	2.03/80	32.8	1.29	1654	1112	1131	760	275	215	380	300
4/0 AWG	6.60/260	2.03/80	34.0	1.34	1907	1282	1247	838	315	245	445	345
250 MCM	6.60/260	2.03/80	35.3	1.39	2135	1435	1357	912	345	270	490	380
350 MCM	6.60/260	2.03/80	38.1	1.50	2696	1812	1601	1076	415	330	605	475
500 MCM	6.60/260	2.79/110	41.1	1.62	3502	2354	1942	1305	500	400	755	590
750 MCM	6.60/260	2.79/110	48.0	1.89	5070	3408	2681	1802	610	490	970	765
1000 MCM	6.60/260	2.79/110	51.6	2.03	6348	4267	3218	2163	690	565	1160	920
25kV 133% to ICEA Standard												
1/0 AWG	8.76/345	2.03/80	35.1	1.38	1550	1042	1214	816	215	165	290	225
2/0 AWG	8.76/345	2.03/80	35.8	1.41	1718	1155	1305	877	245	190	330	260
3/0 AWG	8.76/345	2.03/80	37.3	1.47	1939	1303	1413	950	275	215	380	300
4/0 AWG	8.76/345	2.03/80	38.9	1.53	2205	1482	1546	1039	315	245	445	345
250 MCM	8.76/345	2.03/80	40.1	1.58	2440	1640	1663	1118	345	270	490	380
350 MCM	8.76/345	2.79/110	44.2	1.74	3163	2126	2068	1390	415	330	605	475
500 MCM	8.76/345	2.79/110	47.8	1.88	4044	2718	2483	1669	500	400	755	590
750 MCM	8.76/345	2.79/110	52.1	2.05	5468	3675	3078	2069	610	490	970	765
1000 MCM	8.76/345	2.79/110	56.4	2.22	6789	4563	3657	2458	690	565	1160	920

Addison Medium Voltage Cables



35kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	2.03/80	34.8	1.37	1550	1042	1214	816	215	165	290	225
2/0 AWG	8.76/345	2.03/80	36.1	1.42	1718	1155	1305	877	245	190	330	260
3/0 AWG	8.76/345	2.03/80	37.3	1.47	1939	1303	1413	950	275	215	380	300
4/0 AWG	8.76/345	2.03/80	38.9	1.53	2205	1482	1546	1039	315	245	445	345
250 MCM	8.76/345	2.03/80	40.1	1.58	2440	1640	1663	1118	345	270	490	380
350 MCM	8.76/345	2.79/110	44.2	1.74	3163	2126	2068	1390	415	330	605	475
500 MCM	8.76/345	2.79/110	47.8	1.88	4044	2718	2483	1669	500	400	755	590
750 MCM	8.76/345	2.79/110	52.1	2.05	5468	3675	3078	2069	610	490	970	765
1000 MCM	8.76/345	2.79/110	56.4	2.22	6789	4563	3657	2458	690	565	1160	920
35kV 133% to ICEA Standard												
1/0 AWG	10.67/420	2.03/80	38.9	1.53	1811	1217	1474	991	215	165	290	225
2/0 AWG	10.67/420	2.03/80	40.1	1.58	1986	1335	1571	1056	245	190	330	260
3/0 AWG	10.67/420	2.03/80	41.1	1.62	2209	1485	1684	1132	275	215	380	300
4/0 AWG	10.67/420	2.79/110	44.2	1.74	2629	1767	1968	1323	315	245	445	345
250 MCM	10.67/420	2.79/110	45.5	1.79	2876	1933	2099	1411	345	270	490	380
350 MCM	10.67/420	2.79/110	48.5	1.91	3522	2367	2427	1631	415	330	605	475
500 MCM	10.67/420	2.79/110	51.3	2.02	4383	2946	2822	1897	500	400	755	590
750 MCM	10.67/420	2.79/110	55.9	2.20	5843	3927	3453	2321	610	765	970	765
1000 MCM	10.67/420	2.79/110	60.2	2.37	7192	4834	4062	2730	690	920	1160	920



Caledonian Medium Voltage Cables

Tape Shielded Cables

5kV 100% Copper to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	1.52/60	16.5	0.65	481	323	350	235	120	93	160	125
2 AWG	2.29/90	1.52/60	17.8	0.70	626	421	420	282	155	125	215	165
1 AWG	2.29/90	1.52/60	18.5	0.73	725	487	463	311	180	140	250	195
1/0 AWG	2.29/90	1.52/60	19.6	0.77	853	573	519	349	210	160	290	225
2/0 AWG	2.29/90	2.03/80	20.6	0.81	1001	673	585	393	235	185	330	260
3/0 AWG	2.29/90	2.03/80	22.6	0.89	1239	833	714	480	270	210	385	300
4/0 AWG	2.29/90	2.03/80	24.1	0.95	1474	991	814	547	310	245	445	350
250 MCM	2.29/90	2.03/80	25.4	1.00	1684	1132	908	610	345	270	495	385
350 MCM	2.29/90	2.03/80	27.9	1.10	2209	1485	1116	750	415	325	615	480
500 MCM	2.29/90	2.03/80	31.5	1.24	3002	2018	1442	969	505	400	775	605
750 MCM	2.29/90	2.03/80	36.1	1.42	4319	2903	1930	1297	630	505	1000	790
1000 MCM	2.29/90	2.03/80	39.9	1.57	5538	3722	2407	1618	720	590	1200	950
5kV 133% to ICEA Standard												
4 AWG	2.92/115	1.52/60	17.8	0.70	527	354	396	266	120	93	160	125
2 AWG	2.92/115	1.52/60	19.1	0.75	675	454	469	315	155	125	215	165
1 AWG	2.92/115	1.52/60	19.8	0.78	775	521	515	346	180	140	250	195
1/0 AWG	2.92/115	1.52/60	20.8	0.82	906	609	571	384	210	160	290	225
2/0 AWG	2.92/115	2.03/80	22.9	0.90	1105	743	689	463	235	185	330	260
3/0 AWG	2.92/115	2.03/80	23.9	0.94	1300	874	775	521	270	210	385	300
4/0 AWG	2.92/115	2.03/80	25.4	1.00	1538	1034	878	590	310	245	445	350
250 MCM	2.92/115	2.03/80	26.7	1.05	1751	1177	975	655	345	270	495	385
350 MCM	2.92/115	2.03/80	29.2	1.15	2282	1534	1187	798	415	325	615	480
500 MCM	2.92/115	2.03/80	32.8	1.29	3084	2073	1524	1024	505	400	775	605
750 MCM	2.92/115	2.03/80	37.3	1.47	4410	2964	2020	1358	630	505	1000	790
1000 MCM	2.92/115	2.03/80	41.1	1.62	5637	3789	2507	1685	720	590	1200	950

Addison Medium Voltage Cables



8kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	1.52/60	17.8	0.70	527	354	396	266	125	98	165	130
2 AWG	2.92/115	1.52/60	19.1	0.75	675	454	469	315	165	130	215	170
1 AWG	2.92/115	1.52/60	19.8	0.78	775	521	515	346	185	145	250	195
1/0 AWG	2.92/115	2.03/80	20.8	0.82	906	609	571	384	215	165	290	225
2/0 AWG	2.92/115	2.03/80	22.9	0.90	1105	743	689	463	245	190	335	260
3/0 AWG	2.92/115	2.03/80	23.9	0.94	1300	874	775	521	275	215	385	300
4/0 AWG	2.92/115	2.03/80	25.4	1.00	1538	1034	878	590	315	245	445	350
250 MCM	2.92/115	2.03/80	26.7	1.05	1751	1177	975	655	345	270	495	385
350 MCM	2.92/115	2.03/80	29.2	1.15	2282	1534	1187	798	415	330	610	480
500 MCM	2.92/115	2.03/80	32.8	1.29	3084	2073	1524	1024	500	400	765	600
750 MCM	2.92/115	2.03/80	37.3	1.47	4410	2964	2020	1358	610	490	990	780
1000 MCM	2.92/115	2.80/110	41.1	1.62	5637	3789	1132	1685	690	565	1185	940
8kV 133% to ICEA Standard												
2 AWG	3.56/140	1.52/60	20.3	0.80	728	489	521	350	165	130	215	170
1 AWG	3.56/140	2.03/80	21.1	0.83	829	557	568	382	185	145	250	195
1/0 AWG	3.56/140	2.03/80	23.1	0.91	1012	680	677	455	215	165	290	225
2/0 AWG	3.56/140	2.03/80	24.1	0.95	1166	784	750	504	245	190	335	260
3/0 AWG	3.56/140	2.03/80	25.1	0.99	1363	916	839	564	275	215	385	300
4/0 AWG	3.56/140	2.03/80	26.7	1.05	1605	1079	945	635	315	245	445	350
250 MCM	3.56/140	2.03/80	27.9	1.10	1821	1224	1043	701	345	270	495	385
350 MCM	3.56/140	2.03/80	30.5	1.20	2358	1585	1263	849	415	330	610	480
500 MCM	3.56/140	2.03/80	34.0	1.34	3168	2129	1607	1080	500	400	765	600
750 MCM	3.56/140	2.03/80	38.6	1.52	4504	3027	2114	1421	610	490	990	780
1000 MCM	3.56/140	2.80/110	43.9	1.73	5884	3955	2754	1851	690	565	1185	940



Caledonian Medium Voltage Cables

15kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.03/80	21.6	0.85	781	525	647	435	165	130	215	170
1 AWG	4.45/175	2.03/80	23.1	0.91	922	620	699	470	185	145	250	195
1/0 AWG	4.45/175	2.03/80	24.1	0.95	1059	712	765	514	215	165	290	225
2/0 AWG	4.45/175	2.03/80	25.1	0.99	1216	817	841	565	245	190	335	260
3/0 AWG	4.45/175	2.03/80	26.2	1.03	1415	951	933	627	275	215	385	300
4/0 AWG	4.45/175	2.03/80	27.7	1.09	1659	1115	1043	701	315	245	445	350
250 MCM	4.45/175	2.03/80	29.0	1.14	1878	1262	1146	770	345	270	495	385
350 MCM	4.45/175	2.03/80	31.5	1.24	2419	1626	1402	942	415	330	610	480
500 MCM	4.45/175	2.03/80	35.1	1.38	3233	2173	1729	1162	500	400	765	600
750 MCM	4.45/175	2.03/80	39.6	1.56	4578	3077	2251	1513	610	490	990	780
1000 MCM	4.45/175	2.80/110	45.0	1.77	5968	4011	2946	1980	690	565	1185	940
15kV 133% to ICEA Standard												
2 AWG	5.59/220	2.03/80	25.4	1.00	967	650	760	511	165	130	215	170
1 AWG	5.59/220	2.03/80	26.2	1.03	1077	724	815	548	185	145	250	195
1/0 AWG	5.59/220	2.03/80	27.2	1.07	1220	820	884	594	215	165	290	225
2/0 AWG	5.59/220	2.03/80	28.2	1.11	1381	928	966	649	245	190	335	260
3/0 AWG	5.59/220	2.03/80	29.2	1.15	1587	1067	1062	714	275	215	385	300
4/0 AWG	5.59/220	2.03/80	30.7	1.21	1839	1236	1178	792	315	245	445	350
250 MCM	5.59/220	2.03/80	32.5	1.28	2090	1405	1314	883	345	270	495	385
350 MCM	5.59/220	2.03/80	35.1	1.38	2648	1780	1553	1044	415	330	610	480
500 MCM	5.59/220	2.03/80	38.1	1.50	3455	2322	1894	1273	500	400	765	600
750 MCM	5.59/220	2.80/110	44.2	1.74	4969	3340	2578	1733	610	490	990	780
1000 MCM	5.59/220	2.80/110	48.5	1.91	6286	4225	3156	2121	690	565	1185	940

Addison Medium Voltage Cables



25kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.03/80	28.2	1.11	1189	799	927	623	185	145	250	195
1/0 AWG	6.60/260	2.03/80	29.2	1.15	1335	897	1000	672	215	165	290	225
2/0 AWG	6.60/260	2.03/80	30.2	1.19	1500	1008	1085	729	245	190	330	260
3/0 AWG	6.60/260	2.03/80	31.8	1.25	1736	1167	1211	814	275	215	380	300
4/0 AWG	6.60/260	2.03/80	33.3	1.31	1994	1340	1335	897	315	245	445	345
250 MCM	6.60/260	2.03/80	34.5	1.36	2224	1495	1448	973	345	270	490	380
350 MCM	6.60/260	2.03/80	37.1	1.46	2793	1877	1698	1141	415	330	605	475
500 MCM	6.60/260	2.03/80	40.1	1.58	3609	2426	2049	1377	500	400	755	590
750 MCM	6.60/260	2.80/110	46.5	1.83	5185	3485	2796	1879	610	490	970	765
1000 MCM	6.60/260	2.80/110	50.5	1.99	6481	4356	3349	2251	690	565	1160	920
25kV 133% to ICEA Standard												
1/0 AWG	8.76/345	2.03/80	34.0	1.34	1640	1102	1302	875	215	165	290	225
2/0 AWG	8.76/345	2.03/80	35.1	1.38	1811	1217	1397	939	245	190	330	260
3/0 AWG	8.76/345	2.03/80	36.1	1.42	2032	1366	1507	1013	275	215	380	300
4/0 AWG	8.76/345	2.03/80	37.6	1.48	2302	1547	1641	1103	315	245	445	345
250 MCM	8.76/345	2.03/80	38.9	1.53	2543	1709	1765	1186	345	270	490	380
350 MCM	8.76/345	2.03/80	41.4	1.63	3130	2104	2035	1368	415	330	605	475
500 MCM	8.76/345	2.80/110	46.5	1.83	4157	2794	2596	1745	500	400	755	590
750 MCM	8.76/345	2.80/110	51.1	2.01	5602	3765	3212	2159	610	490	970	765
1000 MCM	8.76/345	2.80/110	54.9	2.16	6929	4657	3798	2553	690	565	1160	920



Caledonian Medium Voltage Cables

35kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	2.03/80	34.0	1.34	1640	1102	1302	875	215	165	290	225
2/0 AWG	8.76/345	2.03/80	35.1	1.38	1811	1217	1397	939	245	190	330	260
3/0 AWG	8.76/345	2.03/80	36.1	1.42	2032	1366	1507	1013	275	215	380	300
4/0 AWG	8.76/345	2.03/80	37.6	1.48	2302	1547	1641	1103	315	245	445	345
250 MCM	8.76/345	2.03/80	38.9	1.53	2543	1709	1765	1186	345	270	490	380
350 MCM	8.76/345	2.03/80	41.4	1.63	3130	2104	2035	1368	415	330	605	475
500 MCM	8.76/345	2.80/110	46.5	1.83	4157	2794	2596	1745	500	400	755	590
750 MCM	8.76/345	2.80/110	51.1	2.01	5602	3765	3212	2159	610	490	970	765
1000 MCM	8.76/345	2.80/110	54.9	2.16	6929	4657	3798	2553	690	565	1160	920
35kV 133% to ICEA Standard												
1/0 AWG	10.67/420	2.03/80	37.8	1.49	1909	1283	1571	1056	215	165	290	225
2/0 AWG	10.67/420	2.03/80	38.9	1.53	2087	1403	1674	1125	245	190	330	260
3/0 AWG	10.67/420	2.03/80	39.9	1.57	2315	1556	1791	1204	275	215	380	300
4/0 AWG	10.67/420	2.03/80	41.4	1.63	2595	1744	1936	1301	315	245	445	345
250 MCM	10.67/420	2.80/110	44.2	1.74	2988	2008	2211	1486	345	270	490	380
350 MCM	10.67/420	2.80/110	47.2	1.86	3639	2446	2544	1710	415	330	605	475
500 MCM	10.67/420	2.80/110	50.3	1.98	4514	3034	2953	1985	500	400	755	590
750 MCM	10.67/420	2.80/110	54.9	2.16	5990	4026	3600	2420	610	490	970	765
1000 MCM	10.67/420	2.80/110	58.7	2.31	7344	4936	4212	2831	690	565	1160	920

Addison Medium Voltage Cables



Concentric Neutral Cables

5kV 100% Single Phase - Full Neutral														
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)				Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
											90°C In Duct		90°C In Air	
			CU		AL		CU		AL		CU	AL	CU	AL
2 SOLID	2.29/90	1.52/60	20.3	0.80	20.3	0.80	872	586	559	376	165	130	232	
2 AWG	2.29/90	2.03/80	20.8	0.82	20.8	0.82	894	601	583	392	167	131	234	
1 SOLID	2.29/90	2.03/80	21.8	0.86	21.1	0.83	1074	722	653	439	191	149	264	
1 AWG	2.29/90	2.03/80	22.9	0.90	21.8	0.86	1104	742	680	457	192	150	266	210
1/0 SOLID	2.29/90	2.03/80	22.9	0.90	21.8	0.86	1280	860	756	508	216	169	299	236
1/0 AWG	2.29/90	2.03/80	23.9	0.94	22.9	0.90	1314	883	789	530	219	171	301	238
2/0 AWG	2.29/90	2.03/80	25.9	1.02	24.9	0.98	1634	1098	966	649	252	197	342	271
3/0 AWG	2.29/90	2.03/80	27.2	1.07	26.2	1.03	1956	1315	1129	759	286	224	387	307
4/0 AWG	2.29/90	2.03/80	29.2	1.15	28.7	1.13	2404	1616	1400	941	327	258	438	348
250 MCM	2.29/90	2.03/80	-	-	30.0	1.18	-	-	1643	1104		288		386
350 MCM	2.29/90	2.03/80	-	-	33.3	1.31	-	-	2074	1394		342		454
5kV 100% Three Phase - One-Third Neutral														
2 SOLID	2.29/90	1.52/60	20.3	0.8	20.3	0.80	698	469	491	330	172	134	245	192
2 AWG	2.29/90	2.03/80	20.8	0.82	20.8	0.82	722	485	515	346	172	134	245	192
1 SOLID	2.29/90	2.03/80	21.1	0.83	21.1	0.83	809	544	533	358	195	152	276	218
1 AWG	2.29/90	2.03/80	21.8	0.86	21.8	0.86	839	564	559	376	196	153	277	218
1/0 SOLID	2.29/90	2.03/80	21.8	0.86	21.8	0.86	966	649	583	392	222	174	309	247
1/0 AWG	2.29/90	2.03/80	22.9	0.90	22.9	0.90	998	671	614	413	224	174	310	247
2/0 AWG	2.29/90	2.03/80	24.1	0.95	24.1	0.95	1184	796	698	469	254	199	346	279
3/0 AWG	2.29/90	2.03/80	25.4	1.00	25.4	1.00	1425	958	811	545	289	227	383	313
4/0 AWG	2.29/90	2.03/80	26.7	1.05	26.7	1.05	1729	1162	943	634	329	258	418	350
250 MCM	2.29/90	2.03/80	28.2	1.11	28.2	1.11	2000	1344	1073	721	360	284	445	377
350 MCM	2.29/90	2.03/80	31.5	1.24	30.7	1.21	2696	1812	1367	919	430	343	494	433
500 MCM	2.29/90	2.03/80	36.6	1.44	35.3	1.39	3806	2558	1869	1256	510	416	540	489
750 MCM	2.29/90	2.03/80	43.4	1.71	40.1	1.58	5599	3763	2581	1735	595	508	602	552
1000 MCM	2.29/90	2.79/110	48.0	1.89	46.5	1.83	7287	4898	3429	2305	647	574	660	591



Caledonian Medium Voltage Cables

5kV 133% Single Phase - Full Neutral														
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)				Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
											90°C In Duct		90°C In Air	
			CU		AL		CU		AL		CU	AL	CU	AL
2 SOLID	2.92/115	2.03/80	21.6	0.85	21.6	0.85	916	616	606	407	165	130	232	182
2 AWG	2.92/115	2.03/80	22.1	0.87	22.1	0.87	942	633	631	424	167	131	234	183
1 SOLID	2.92/115	2.03/80	23.1	0.91	22.4	0.88	1123	755	701	471	191	149	264	208
1 AWG	2.92/115	2.03/80	24.1	0.95	23.1	0.91	1156	777	729	490	192	150	266	210
1/0 SOLID	2.92/115	2.03/80	24.1	0.95	23.1	0.91	1330	894	805	541	216	169	299	236
1/0 AWG	2.92/115	2.03/80	25.1	0.99	24.1	0.95	1367	919	839	564	219	171	301	238
2/0 AWG	2.92/115	2.03/80	27.2	1.07	26.2	1.03	1692	1137	1022	687	252	197	342	271
3/0 AWG	2.92/115	2.03/80	28.4	1.12	27.4	1.08	2017	1356	1189	799	286	224	387	307
4/0 AWG	2.92/115	2.03/80	30.5	1.20	30.0	1.18	2470	1660	1464	984	327	258	438	348
250 MCM	2.92/115	2.03/80	-	-	31.2	1.23	-	-	1711	1150	-	288	-	386
350 MCM	2.92/115	2.03/80	-	-	34.5	1.36	-	-	2150	1445	-	342	-	454
5kV 133% Three Phase - One-Third Neutral														
2 SOLID	2.92/115	2.03/80	21.6	0.85	21.6	0.85	744	500	536	360	172	134	245	192
2 AWG	2.92/115	2.03/80	22.1	0.87	22.1	0.87	768	516	561	377	172	134	245	192
1 SOLID	2.92/115	2.03/80	22.4	0.88	22.4	0.88	857	576	579	389	195	152	276	218
1 AWG	2.92/115	2.03/80	23.1	0.91	23.1	0.91	888	597	609	409	196	153	277	218
1/0 SOLID	2.92/115	2.03/80	23.1	0.91	23.1	0.91	1015	682	632	425	222	174	309	247
1/0 AWG	2.92/115	2.03/80	24.1	0.95	24.1	0.95	1049	705	667	448	224	174	310	247
2/0 AWG	2.92/115	2.03/80	25.4	1.00	25.4	1.00	1239	833	751	505	254	199	346	279
3/0 AWG	2.92/115	2.03/80	26.7	1.05	26.7	1.05	1482	996	869	584	289	227	383	313
4/0 AWG	2.92/115	2.03/80	27.9	1.10	27.9	1.10	1790	1203	1003	674	329	258	418	350
250 MCM	2.92/115	2.03/80	29.5	1.16	29.5	1.16	2064	1387	1135	763	360	284	445	377
350 MCM	2.92/115	2.03/80	32.8	1.29	32.0	1.26	2767	1860	1436	965	430	343	494	433
500 MCM	2.92/115	2.03/80	37.8	1.49	36.6	1.44	3888	2613	1949	1310	510	416	540	489
750 MCM	2.92/115	2.79/110	44.7	1.76	41.4	1.63	5695	3828	2672	1796	595	508	602	552
1000 MCM	2.92/115	2.79/110	49.3	1.94	47.8	1.88	7394	4970	3534	2375	647	574	660	591

Addison Medium Voltage Cables



15kV 100% Single Phase - Full Neutral														
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)				Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
											90°C In Duct		90°C In Air	
			CU		AL		CU		AL		CU	AL	CU	AL
2 SOLID	4.45/175	2.03/80	24.6	0.97	24.6	0.97	1038	698	726	488	172	135	233	182
2 AWG	4.45/175	2.03/80	25.1	0.99	25.1	0.99	1067	717	754	507	173	135	234	183
1 SOLID	4.45/175	2.03/80	26.2	1.03	25.4	1.00	1251	841	826	555	197	154	264	208
1 AWG	4.45/175	2.03/80	27.2	1.07	26.2	1.03	1290	867	860	578	199	156	266	210
1/0 SOLID	4.45/175	2.03/80	27.2	1.07	26.2	1.03	1464	984	936	629	223	175	299	236
1/0 AWG	4.45/175	2.03/80	28.2	1.11	27.2	1.07	1506	1012	975	655	226	176	302	237
2/0 AWG	4.45/175	2.03/80	30.2	1.19	29.2	1.15	1842	1238	1168	785	259	203	342	270
3/0 AWG	4.45/175	2.03/80	31.5	1.24	30.5	1.20	2175	1462	1341	901	294	231	388	307
4/0 AWG	4.45/175	2.03/80	33.5	1.32	33.0	1.30	2639	1774	1629	1095	335	265	439	348
250 MCM	4.45/175	2.03/80	-	-	34.3	1.35	-	-	1884	1266	-	295	-	386
350 MCM	4.45/175	2.03/80	-	-	38.1	1.50	-	-	2375	1596	-	350	-	453
15kV 100% Three Phase - One-Third Neutral														
2 SOLID	4.45/175	2.03/80	24.6	0.97	24.6	0.97	864	581	656	441	176	137	241	189
2 AWG	4.45/175	2.03/80	25.1	0.99	25.1	0.99	893	600	686	461	177	137	241	189
1 SOLID	4.45/175	2.03/80	25.4	1.00	25.4	1.00	982	660	704	473	200	156	272	214
1 AWG	4.45/175	2.03/80	26.2	1.03	26.2	1.03	1018	684	738	496	201	157	272	215
1/0 SOLID	4.45/175	2.03/80	26.2	1.03	26.2	1.03	1144	769	762	512	228	178	305	243
1/0 AWG	4.45/175	2.03/80	27.2	1.07	27.2	1.07	1184	796	802	539	229	178	306	243
2/0 AWG	4.45/175	2.03/80	28.4	1.12	28.4	1.12	1381	928	893	600	260	203	343	275
3/0 AWG	4.45/175	2.03/80	29.7	1.17	29.7	1.17	1631	1096	1016	683	295	231	380	309
4/0 AWG	4.45/175	2.03/80	31.0	1.22	31.0	1.22	1946	1308	1159	779	334	263	418	346
250 MCM	4.45/175	2.03/80	32.5	1.28	32.5	1.28	2229	1498	1300	874	366	289	445	374
350 MCM	4.45/175	2.03/80	36.3	1.43	35.6	1.40	2982	2004	1647	1107	437	348	498	432
500 MCM	4.45/175	2.03/80	40.9	1.61	39.6	1.56	4096	2753	2153	1447	516	420	547	491
750 MCM	4.45/175	2.79/110	47.8	1.88	46.0	1.81	5941	3993	3002	2018	603	512	610	554
1000 MCM	4.45/175	2.79/110	53.1	2.09	51.6	2.03	7735	5199	3867	2599	658	580	669	599



Caledonian Medium Voltage Cables

15kV 133% Single Phase - Full Neutral														
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)				Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
											90°C In Duct		90°C In Air	
			CU		AL		CU		AL		CU	AL	CU	AL
2 SOLID	5.59/220	2.03/80	26.9	1.06	26.9	1.06	1140	766	827	556	172	135	233	182
2 AWG	5.59/220	2.03/80	27.4	1.08	27.4	1.08	1171	787	858	577	173	135	234	183
1 SOLID	5.59/220	2.03/80	28.4	1.12	27.7	1.09	1360	914	930	625	197	154	264	208
1 AWG	5.59/220	2.03/80	29.5	1.16	28.4	1.12	1400	941	969	651	199	156	266	210
1/0 SOLID	5.59/220	2.03/80	29.5	1.16	28.4	1.12	1576	1059	1044	702	223	175	299	236
1/0 AWG	5.59/220	2.03/80	30.5	1.20	29.5	1.16	1622	1090	1088	731	226	176	302	237
2/0 AWG	5.59/220	2.03/80	32.5	1.28	31.5	1.24	1965	1321	1287	865	259	203	342	270
3/0 AWG	5.59/220	2.03/80	33.8	1.33	32.8	1.29	2305	1549	1467	986	294	231	388	307
4/0 AWG	5.59/220	2.03/80	35.8	1.41	35.3	1.39	2776	1866	1765	1186	335	265	439	348
250 MCM	5.59/220	2.03/80	-	-	37.1	1.46	-	-	2059	1384	-	295	-	386
350 MCM	5.59/220	2.03/80	-	-	40.4	1.59	-	-	2531	1701	-	350	-	453
15kV 133% Three Phase - One-Third Neutral														
2 SOLID	5.59/220	2.03/80	26.9	1.06	26.9	1.06	966	649	757	509	176	137	241	189
2 AWG	5.59/220	2.03/80	27.4	1.08	27.4	1.08	997	670	790	531	177	137	241	189
1 SOLID	5.59/220	2.03/80	27.7	1.09	27.7	1.09	1086	730	809	544	200	156	272	214
1 AWG	5.59/220	2.03/80	28.4	1.12	28.4	1.12	1126	757	847	569	201	157	272	215
1/0 SOLID	5.59/220	2.03/80	28.4	1.12	28.4	1.12	1253	842	870	585	228	178	305	243
1/0 AWG	5.59/220	2.03/80	29.5	1.16	29.5	1.16	1297	872	914	614	229	178	306	243
2/0 AWG	5.59/220	2.03/80	30.7	1.21	30.7	1.21	1498	1007	1010	679	260	203	343	275
3/0 AWG	5.59/220	2.03/80	32.0	1.26	32.0	1.26	1753	1178	1140	766	295	231	380	309
4/0 AWG	5.59/220	2.03/80	33.3	1.31	33.3	1.31	2074	1394	1288	866	334	263	418	346
250 MCM	5.59/220	2.03/80	35.3	1.39	35.3	1.39	2394	1609	1465	985	366	289	445	374
350 MCM	5.59/220	2.03/80	38.6	1.52	37.8	1.49	3132	2105	1794	1206	437	348	498	432
500 MCM	5.59/220	2.03/80	44.7	1.76	43.4	1.71	4361	2931	2410	1620	516	420	547	491
750 MCM	5.59/220	2.79/110	50.0	1.97	48.3	1.90	6134	4123	3191	2145	603	512	610	554
1000 MCM	5.59/220	2.79/110	55.4	2.18	53.8	2.12	7951	5344	4078	2741	658	580	669	599

Addison Medium Voltage Cables



25kV 100% Single Phase - Full Neutral														
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)				Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
											90°C In Duct		90°C In Air	
			CU		AL		CU		AL		CU	AL	CU	AL
1 SOLID	6.6/260	2.03/80	25.9	1.02	29.7	1.17	1463	983	1031	693	202	158	264	208
1 AWG	6.6/260	2.03/80	31.5	1.24	30.5	1.20	1507	1013	1073	721	204	160	265	209
1/0 SOLID	6.6/260	2.03/80	31.5	1.24	30.5	1.20	1683	1131	1149	772	229	179	299	235
1/0 AWG	6.6/260	2.03/80	32.5	1.28	31.5	1.24	1727	1161	1196	804	231	181	301	237
2/0 AWG	6.6/260	2.03/80	34.5	1.36	33.5	1.32	2084	1401	1402	942	265	207	342	270
3/0 AWG	6.6/260	2.03/80	36.3	1.43	35.3	1.39	2459	1653	1617	1087	301	236	387	306
4/0 AWG	6.6/260	2.03/80	38.4	1.51	37.8	1.49	2941	1977	1925	1294	342	271	438	347
250 MCM	6.6/260	2.03/80	-	-	39.1	1.54	-	-	2193	1474	-	301	-	384
350 MCM	6.6/260	2.79/110	-	-	43.9	1.73	-	-	2773	1864	-	356	-	449
25kV 100% Three Phase - One-Third Neutral														
1 SOLID	6.6/260	2.03/80	29.7	1.17	29.7	1.17	1187	798	909	611	204	159	269	211
1 AWG	6.6/260	2.03/80	30.5	1.20	30.5	1.20	1230	827	951	639	204	159	269	212
1/0 SOLID	6.6/260	2.03/80	30.5	1.20	30.5	1.20	1357	912	975	655	232	181	302	239
1/0 AWG	6.6/260	2.03/80	31.5	1.24	31.5	1.24	1406	945	1022	687	232	181	303	239
2/0 AWG	6.6/260	2.03/80	32.8	1.29	32.8	1.29	1610	1082	1122	754	264	206	340	271
3/0 AWG	6.6/260	2.03/80	34.5	1.36	34.5	1.36	1901	1278	1287	865	300	235	378	305
4/0 AWG	6.6/260	2.03/80	35.8	1.41	35.8	1.41	2229	1498	1442	969	339	266	416	342
250 MCM	6.6/260	2.03/80	37.3	1.47	37.3	1.47	2523	1696	1595	1072	371	292	445	371
350 MCM	6.6/260	2.03/80	40.6	1.60	39.9	1.57	3273	2200	1933	1299	442	351	501	430
500 MCM	6.6/260	2.79/110	46.7	1.84	45.5	1.79	4523	3040	2568	1726	520	424	550	490
750 MCM	6.6/260	2.79/110	52.8	2.08	51.1	2.01	6387	4293	3435	2309	611	517	618	560
1000 MCM	6.6/260	2.79/110	57.4	2.26	55.9	2.20	8150	5478	4273	2872	665	584	676	606



Caledonian Medium Voltage Cables

25kV 133% Single Phase - Full Neutral														
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)				Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
											90°C In Duct		90°C In Air	
			CU		AL		CU		AL		CU	AL	CU	AL
1 SOLID	8.1/320	2.03/80	33.5	1.32	32.8	1.29	1638	1101	1202	808	202	158	264	208
1 AWG	8.1/320	2.03/80	34.5	1.36	33.8	1.33	1687	1134	1248	839	204	160	265	209
1/0 SOLID	8.1/320	2.03/80	34.5	1.36	33.8	1.33	1864	1253	1326	891	229	179	299	235
1/0 AWG	8.1/320	2.03/80	36.1	1.42	35.3	1.39	1951	1311	1410	948	231	181	301	237
2/0 AWG	8.1/320	2.03/80	38.4	1.51	37.1	1.46	2317	1557	1628	1094	265	207	342	270
3/0 AWG	8.1/320	2.03/80	39.6	1.56	38.4	1.51	2668	1793	1821	1224	301	236	387	306
4/0 AWG	8.1/320	2.03/80	41.7	1.64	40.9	1.61	3160	2124	2142	1440	342	271	438	347
250 MCM	8.1/320	2.79/110	-	-	43.9	1.73	-	-	2513	1689	-	301	-	384
350 MCM	8.1/320	2.79/110	-	-	46.2	1.82	-	-	3022	2031	-	356	-	449
25kV 133% Three Phase - One-Third Neutral														
1 SOLID	8.1/320	2.03/80	32.8	1.29	32.8	1.29	1358	913	1080	726	204	159	269	211
1 AWG	8.1/320	2.03/80	33.8	1.33	33.8	1.33	1406	945	1126	757	204	159	269	212
1/0 SOLID	8.1/320	2.03/80	33.8	1.33	33.8	1.33	1534	1031	1152	774	232	181	302	239
1/0 AWG	8.1/320	2.03/80	35.3	1.39	35.3	1.39	1619	1088	1236	831	232	181	303	239
2/0 AWG	8.1/320	2.03/80	36.3	1.43	36.3	1.43	1831	1231	1343	903	264	206	340	271
3/0 AWG	8.1/320	2.03/80	37.6	1.48	37.6	1.48	2099	1411	1486	999	300	235	378	305
4/0 AWG	8.1/320	2.03/80	39.1	1.54	39.1	1.54	2436	1637	1648	1108	339	266	416	342
250 MCM	8.1/320	2.03/80	40.4	1.59	40.4	1.59	2738	1840	1809	1216	371	292	445	371
350 MCM	8.1/320	2.79/110	45.5	1.79	44.5	1.75	3606	2424	2260	1519	442	351	501	430
500 MCM	8.1/320	2.79/110	49.8	1.96	48.8	1.92	4788	3218	2828	1901	520	424	550	490
750 MCM	8.1/320	2.79/110	55.9	2.20	54.4	2.14	6686	4494	3727	2505	611	517	618	560
1000 MCM	8.1/320	2.79/110	62.8	2.38	59.2	2.33	8475	5696	4591	3086	665	584	676	606

Addison Medium Voltage Cables



35kV 100% Single Phase - Full Neutral														
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)				Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
											90°C In Duct		90°C In Air	
			CU		AL		CU		AL		CU	AL	CU	AL
1/0 SOLID	8.76/345	2.03/80	36.3	1.43	35.6	1.40	1974	1327	1433	963	234	183	298	234
1/0 AWG	8.76/345	2.03/80	37.3	1.47	36.6	1.44	2032	1366	1489	1001	236	184	300	236
2/0 AWG	8.76/345	2.03/80	39.6	1.56	38.4	1.51	2401	1614	1712	1151	270	212	341	269
3/0 AWG	8.76/345	2.03/80	40.9	1.61	39.6	1.56	2757	1853	1907	1282	306	240	386	305
4/0 AWG	8.76/345	2.03/80	44.5	1.75	43.7	1.72	3351	2252	2330	1566	348	275	434	346
250 MCM	8.76/345	2.79/110	-	-	45.2	1.78	-	-	2611	1755	-	305	-	380
350 MCM	8.76/345	2.79/110	-	-	48.3	1.90	-	-	3127	2102	-	360	-	449
35kV 100% Three Phase - One-Third Neutral														
1/0 SOLID	8.76/345	2.03/80	35.6	1.40	35.6	1.40	1643	1104	1259	846	235	183	299	236
1/0 AWG	8.76/345	2.03/80	36.6	1.44	36.6	1.44	1699	1142	1315	884	235	183	300	236
2/0 AWG	8.76/345	2.03/80	37.6	1.48	37.6	1.48	1913	1286	1425	958	267	208	337	268
3/0 AWG	8.76/345	2.03/80	38.9	1.53	38.9	1.53	2186	1469	1571	1056	302	237	376	302
4/0 AWG	8.76/345	2.03/80	40.4	1.59	40.4	1.59	2525	1697	1738	1168	342	269	415	340
250 MCM	8.76/345	2.79/110	43.2	1.70	43.2	1.70	2924	1965	1995	1341	375	295	443	367
350 MCM	8.76/345	2.79/110	46.7	1.84	45.7	1.80	3709	2493	2360	1586	445	354	501	427
500 MCM	8.76/345	2.79/110	51.8	2.04	50.8	2.00	4969	3340	3007	2021	525	426	557	491
750 MCM	8.76/345	2.79/110	57.2	2.25	55.6	2.19	6811	4578	3849	2587	616	519	624	563
1000 MCM	8.76/345	2.79/110	61.7	2.43	60.5	2.38	8610	5787	4724	3175	671	587	682	611



Caledonian Medium Voltage Cables

35kV 133% Single Phase - Full Neutral														
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)				Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
											90°C In Duct		90°C In Air	
			CU		AL		CU		AL		CU	AL	CU	AL
1/0 SOLID	10.67/420	2.03/80	40.1	1.58	39.4	1.55	2229	1498	1683	1131	234	183	298	234
1/0 AWG	10.67/420	2.03/80	41.1	1.62	40.4	1.59	2294	1542	1745	1173	236	184	300	236
2/0 AWG	10.67/420	2.03/80	45.0	1.77	43.7	1.72	2775	1865	2077	1396	270	212	341	269
3/0 AWG	10.67/420	2.79/110	46.2	1.82	45.0	1.77	3141	2111	2284	1535	306	240	386	305
4/0 AWG	10.67/420	2.79/110	48.3	1.90	47.5	1.87	3656	2457	2632	1769	348	275	434	346
250 MCM	10.67/420	2.79/110	-	-	49.0	1.93	-	-	2924	1965	-	305	-	380
350 MCM	10.67/420	2.79/110	-	-	52.8	2.08	-	-	3532	2374	-	360	-	449
35kV 133% Three Phase - One-Third Neutral														
1/0 SOLID	10.67/420	2.03/80	39.4	1.55	39.4	1.55	1892	1272	1509	1014	235	183	299	236
1/0 AWG	10.67/420	2.03/80	40.4	1.59	40.4	1.59	1955	1314	1571	1056	235	183	300	236
2/0 AWG	10.67/420	2.03/80	41.4	1.63	41.4	1.63	2177	1463	1690	1136	267	208	337	268
3/0 AWG	10.67/420	2.79/110	44.2	1.74	44.2	1.74	2555	1717	1940	1304	302	237	376	302
4/0 AWG	10.67/420	2.79/110	45.7	1.80	45.7	1.80	2907	1954	2120	1425	342	269	415	340
250 MCM	10.67/420	2.79/110	47.0	1.85	47.0	1.85	3224	2167	2296	1543	375	295	443	367
350 MCM	10.67/420	2.79/110	51.3	2.02	50.3	1.98	4102	2757	2748	1847	445	354	501	427
500 MCM	10.67/420	2.79/110	55.6	2.19	54.6	2.15	5326	3580	3358	2257	525	426	557	491
750 MCM	10.67/420	2.79/110	61.0	2.40	59.4	2.34	7205	4843	4234	2846	616	519	624	563
1000 MCM	10.67/420	2.79/110	65.5	2.58	64.3	2.53	9035	6073	5140	3455	671	587	682	611

Addison Medium Voltage Cables



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5kV 100%/133% Copper Single Conductor												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Inner Jacket Diameter (mm/in)		Armour Diameter (mm)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/ kft)		Equivalent Bonding Conductor Size	Ampacity (Amps)
							(D)					90°C
6 AWG	2.29/90	1.52/60	16.33	0.643	21.41	0.843	23.70	0.933	634	426.03	8 AWG	100
4 AWG	2.29/90	1.52/60	18.19	0.716	23.27	0.916	25.61	1.008	824	553.70	6 AWG	145
2 AWG	2.29/90	1.52/60	19.59	0.771	25.18	0.991	27.51	1.083	1047	703.55	6 AWG	190
1 AWG	2.29/90	1.52/60	20.38	0.802	25.96	1.022	28.30	1.114	1223	821.82	4 AWG	225
1/0 AWG	2.29/90	2.03/80	21.37	0.841	26.95	1.061	29.29	1.153	1357	911.86	4 AWG	260
2/0 AWG	2.29/90	2.03/80	22.38	0.881	27.97	1.101	30.31	1.193	1517	1019.38	4 AWG	300
3/0 AWG	2.29/90	2.03/80	24.13	0.950	29.72	1.170	32.06	1.262	1785	1199.46	3 AWG	345
4/0 AWG	2.29/90	2.03/80	26.22	1.032	31.80	1.252	34.14	1.344	2085	1401.06	3 AWG	400
250 MCM	2.29/90	2.03/80	27.56	1.085	33.15	1.305	35.48	1.397	2374	1595.25	2 AWG	445
350 MCM	2.29/90	2.03/80	30.67	1.207	36.26	1.428	38.60	1.520	3025	2032.71	1 AWG	550
500 MCM	2.29/90	2.03/80	33.72	1.328	39.31	1.548	42.10	1.657	3960	2661.00	1/0 AWG	695
750 MCM	2.29/90	2.03/80	41.07	1.617	47.42	1.867	50.21	1.977	5717	3841.65	2/0 AWG	900
1000 MCM	2.29/90	2.79/110	44.85	1.766	51.20	2.016	54.00	2.126	7028	4722.60	2/0 AWG	1075



Caledonian Medium Voltage Cables

8kV 100% Copper Single Conductor												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Inner Jacket Diameter (mm/in)		Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)		Equivalent Bonding Conductor Size	Ampacity (Amps)
							(D)					90°C
4 AWG	2.92/115	1.52/60	20.13	0.793	25.72	1.013	28.06	1.105	976	655.84	6 AWG	150
2 AWG	2.92/115	2.03/80	22.53	0.887	28.12	1.107	30.45	1.199	1203	808.38	6 AWG	195
1 AWG	2.92/115	2.03/80	23.32	0.918	28.90	1.138	31.24	1.230	1382	928.66	4 AWG	225
1/0 AWG	2.92/115	2.03/80	24.31	0.957	29.89	1.177	32.23	1.269	1521	1022.06	4 AWG	260
2/0 AWG	2.92/115	2.03/80	25.32	0.997	30.91	1.217	33.25	1.309	1686	1132.94	4 AWG	300
3/0 AWG	2.92/115	2.03/80	27.07	1.066	32.66	1.286	35.00	1.378	1962	1318.40	3 AWG	345
4/0 AWG	2.92/115	2.03/80	28.40	1.118	33.98	1.338	36.32	1.430	2214	1487.74	3 AWG	400
250 MCM	2.92/115	2.03/80	29.80	1.173	35.39	1.393	37.72	1.485	2511	1687.31	2 AWG	445
350 MCM	2.92/115	2.03/80	32.91	1.296	38.50	1.516	41.29	1.626	3213	2159.04	1 AWG	550
500 MCM	2.92/115	2.03/80	36.42	1.434	42.01	1.654	44.80	1.764	4155	2792.03	1/0 AWG	685
750 MCM	2.92/115	2.79/110	44.97	1.770	51.32	2.020	54.11	2.130	6091	4092.96	1/0 AWG	885
1000 MCM	2.92/115	2.79/110	48.75	1.919	55.10	2.169	57.90	2.280	7427	4990.71	2/0 AWG	1060
8kV 133% Copper Single Conductor												
2 AWG	3.56/140	2.03/80	23.81	0.937	29.40	1.157	31.73	1.249	1265	850.04	6 AWG	195
1 AWG	3.56/140	2.03/80	24.60	0.969	30.18	1.188	32.52	1.280	1446	971.67	4 AWG	225
1/0 AWG	3.56/140	2.03/80	25.59	1.007	31.17	1.227	33.51	1.319	1587	1066.41	4 AWG	260
2/0 AWG	3.56/140	2.03/80	26.60	1.047	32.19	1.267	34.53	1.359	1754	1178.63	4 AWG	300
3/0 AWG	3.56/140	2.03/80	28.35	1.116	33.94	1.336	36.28	1.428	2033	1366.11	3 AWG	345
4/0 AWG	3.56/140	2.03/80	29.68	1.169	35.26	1.388	37.60	1.480	2286	1536.12	3 AWG	400
250 MCM	3.56/140	2.03/80	31.08	1.224	36.67	1.444	39.00	1.535	2586	1737.71	2 AWG	445
350 MCM	3.56/140	2.03/80	34.19	1.346	39.78	1.566	42.57	1.676	3294	2213.47	1 AWG	550
500 MCM	3.56/140	2.03/80	37.70	1.484	43.29	1.704	46.08	1.814	4243	2851.16	1/0 AWG	685
750 MCM	3.56/140	2.79/110	46.25	1.821	52.60	2.071	55.39	2.181	6197	4164.19	1/0 AWG	885
1000 MCM	3.56/140	2.79/110	50.03	1.970	56.38	2.220	59.18	2.330	7541	5067.32	2/0 AWG	1060

Addison Medium Voltage Cables



15kV 100% Copper Single Conductor												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Inner Jacket Diameter (mm/in)		Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/ kft)		Equivalent Bonding Conductor Size	Ampacity (Amps)
							(D)					90°C
2 AWG	4.45/175	2.03/80	25.64	1.009	31.23	1.230	33.56	1.321	1359	913.21	6 AWG	195
1 AWG	4.45/175	2.03/80	26.43	1.041	32.01	1.260	34.35	1.352	1543	1036.85	4 AWG	225
1/0 AWG	4.45/175	2.03/80	27.42	1.080	33.00	1.299	35.34	1.391	1686	1132.94	4 AWG	260
2/0 AWG	4.45/175	2.03/80	28.43	1.119	34.02	1.339	36.36	1.431	1856	1247.17	4 AWG	300
3/0 AWG	4.45/175	2.03/80	30.19	1.189	35.77	1.408	38.11	1.500	2138	1436.67	3 AWG	345
4/0 AWG	4.45/175	2.03/80	31.51	1.241	37.09	1.460	39.43	1.552	2395	1609.37	3 AWG	400
250 MCM	4.45/175	2.03/80	32.91	1.296	38.50	1.516	41.29	1.626	2739	1840.52	2 AWG	445
350 MCM	4.45/175	2.03/80	36.48	1.436	42.07	1.656	44.86	1.766	3450	2318.29	1 AWG	550
500 MCM	4.45/175	2.03/80	39.53	1.556	45.88	1.806	48.67	1.916	4501	3024.53	1/0 AWG	685
750 MCM	4.45/175	2.79/110	48.08	1.893	54.43	2.143	57.22	2.253	6355	4270.36	1/0 AWG	885
1000 MCM	4.45/175	2.79/110	52.73	2.076	59.08	2.326	62.48	2.460	7885	5298.48	2/0 AWG	1060
15kV 133% Copper Single Conductor												
2 AWG	5.59/220	2.03/80	27.97	1.101	33.56	1.321	35.89	1.413	1487	999.22	6 AWG	195
1 AWG	5.59/220	2.03/80	28.76	1.132	34.34	1.352	36.68	1.444	1673	1124.20	4 AWG	225
1/0 AWG	5.59/220	2.03/80	29.75	1.171	35.34	1.391	37.67	1.483	1819	1222.31	4 AWG	260
2/0 AWG	5.59/220	2.03/80	30.76	1.211	36.35	1.431	38.69	1.523	1992	1338.56	4 AWG	300
3/0 AWG	5.59/220	2.03/80	32.52	1.280	38.10	1.500	40.90	1.610	2319	1558.30	3 AWG	345
4/0 AWG	5.59/220	2.03/80	33.84	1.332	39.42	1.552	42.22	1.662	2582	1735.02	3 AWG	400
250 MCM	5.59/220	2.03/80	35.24	1.387	40.83	1.607	43.62	1.717	2892	1943.33	2 AWG	445
350 MCM	5.59/220	2.03/80	38.81	1.528	45.16	1.778	47.96	1.888	3738	2511.82	1 AWG	550
500 MCM	5.59/220	2.03/80	41.86	1.648	48.21	1.898	51.00	2.008	4680	3144.81	1/0 AWG	685
750 MCM	5.59/220	2.79/110	50.41	1.985	56.76	2.235	59.55	2.344	6562	4409.46	1/0 AWG	885
1000 MCM	5.59/220	2.79/110	55.06	2.168	61.41	2.418	64.81	2.552	8112	5451.01	2/0 AWG	1060



Caledonian Medium Voltage Cables

25kV 100% Copper Single Conductor												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Inner Jacket Diameter (mm/in)		Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/ kft)		Equivalent Bonding Conductor Size	Ampacity (Amps)
							(D)					90°C
1 AWG	6.60/260	2.03/80	30.83	1.214	36.42	1.434	38.75	1.526	1795	1206.18	4 AWG	225
1/0 AWG	6.60/260	2.03/80	31.82	1.253	37.41	1.473	39.74	1.565	1944	1306.31	4 AWG	260
2/0 AWG	6.60/260	2.03/80	32.83	1.293	38.42	1.513	41.22	1.623	2161	1452.12	4 AWG	300
3/0 AWG	6.60/260	2.03/80	34.59	1.362	40.17	1.581	42.97	1.692	2453	1648.34	3 AWG	345
4/0 AWG	6.60/260	2.03/80	36.36	1.431	41.95	1.652	44.75	1.762	2755	1851.27	3 AWG	395
250 MCM	6.60/260	2.03/80	37.77	1.487	43.36	1.707	46.15	1.817	3070	2062.94	2 AWG	440
350 MCM	6.60/260	2.03/80	40.88	1.609	47.23	1.859	50.03	1.970	3895	2617.32	1 AWG	545
500 MCM	6.60/260	2.79/110	45.53	1.793	51.88	2.043	54.67	2.152	5033	3382.02	1/0 AWG	680
750 MCM	6.60/260	2.79/110	53.34	2.100	59.69	2.350	63.10	2.484	6931	4657.42	1/0 AWG	870
1000 MCM	6.60/260	2.79/110	57.13	2.249	63.48	2.499	66.88	2.633	8320	5590.78	2/0 AWG	1040
25kV 133% Copper Single Conductor												
1/0 AWG	8/320	2.03/80	35.44	1.395	41.03	1.615	43.82	1.725	2225	1495.13	4 AWG	260
2/0 AWG	8/320	2.03/80	36.45	1.435	42.04	1.655	44.84	1.765	2408	1618.10	4 AWG	300
3/0 AWG	8/320	2.03/80	38.21	1.504	44.56	1.754	47.35	1.864	2830	1901.67	3 AWG	345
4/0 AWG	8/320	2.03/80	39.53	1.556	45.88	1.806	48.67	1.916	3108	2088.48	3 AWG	395
250 MCM	8/320	2.03/80	40.93	1.611	47.28	1.861	50.07	1.971	3433	2306.87	2 AWG	440
350 MCM	8/320	2.79/110	45.64	1.797	51.99	2.047	54.79	2.157	4334	2912.31	1 AWG	545
500 MCM	8/320	2.79/110	48.69	1.917	55.04	2.167	57.84	2.277	5309	3567.48	1/0 AWG	680
750 MCM	8/320	2.79/110	56.51	2.225	62.86	2.475	66.26	2.609	7244	4867.74	1/0 AWG	870
1000 MCM	8/320	2.79/110	60.29	2.374	66.64	2.624	70.04	2.757	8650	5812.53	2/0 AWG	1040

Addison Medium Voltage Cables



28kV 100% Copper Single Conductor											
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Inner Jacket Diameter (mm/in)		Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)	Equivalent Bonding Conductor Size	Ampacity (Amps)
							(D)				90°C
1 AWG	7.1/280	2.03/80	31.90	1.256	37.49	1.476	39.82	1.568	1860	4 AWG	225
1/0 AWG	7.1/280	2.03/80	32.89	1.295	38.48	1.515	41.27	1.625	2052	4 AWG	260
2/0 AWG	7.1/280	2.03/80	33.91	1.335	39.49	1.555	42.29	1.665	2231	4 AWG	300
3/0 AWG	7.1/280	2.03/80	36.11	1.422	41.70	1.642	44.50	1.752	2560	3 AWG	345
4/0 AWG	7.1/280	2.03/80	37.44	1.474	43.02	1.694	45.82	1.804	2830	3 AWG	395
250 MCM	7.1/280	2.03/80	38.84	1.529	45.19	1.779	47.98	1.889	3273	2 AWG	440
350 MCM	7.1/280	2.79/110	43.55	1.715	49.90	1.965	52.70	2.075	4159	1 AWG	545
500 MCM	7.1/280	2.79/110	46.60	1.835	52.95	2.085	55.74	2.194	5125	1/0 AWG	680
750 MCM	7.1/280	2.79/110	54.41	2.142	60.76	2.392	64.17	2.526	7036	1/0 AWG	870
1000 MCM	7.1/280	2.79/110	58.20	2.291	64.55	2.541	67.95	2.675	8430	2/0 AWG	1040
28kV 133% Copper Single Conductor											
1 AWG	8.76/345	2.03/80	35.81	1.410	41.40	1.630	44.19	1.740	2162	4 AWG	225
1/0 AWG	8.76/345	2.03/80	36.80	1.449	42.39	1.669	45.18	1.779	2319	4 AWG	260
2/0 AWG	8.76/345	2.03/80	37.81	1.489	43.40	1.709	46.20	1.819	2504	4 AWG	300
3/0 AWG	8.76/345	2.03/80	39.57	1.558	45.92	1.808	48.71	1.918	2932	3 AWG	345
4/0 AWG	8.76/345	2.03/80	40.89	1.610	47.24	1.860	50.03	1.970	3213	3 AWG	395
250 MCM	8.76/345	2.79/110	43.89	1.728	50.24	1.978	53.04	2.088	3723	2 AWG	440
350 MCM	8.76/345	2.79/110	47.01	1.851	53.36	2.101	56.15	2.211	4451	1 AWG	545
500 MCM	8.76/345	2.79/110	50.05	1.970	56.40	2.220	59.20	2.331	5433	1/0 AWG	680
750 MCM	8.76/345	2.79/110	57.87	2.278	64.22	2.528	67.62	2.662	7383	1/0 AWG	870
1000 MCM	8.76/345	2.79/110	61.65	2.427	68.00	2.677	71.41	2.811	8797	2/0 AWG	1040



Caledonian Medium Voltage Cables

THREE CORE CABLES

Description

The three core cables are designed for distribution of electrical power with nominal voltage U_0/U ranging from 5KV to 46KV and frequency 50Hz. Three core cables are made of stranded copper or aluminium conductor, triple extruding insulating system consisting of thermosetting semi-conducting conductor shield, XLPE/TR-XLPE/EPR insulation and thermosetting semi-conducting insulation shield. There are a number of designs of metallic shields including the copper tape helically applied with overlap, copper wire shield, concentric neutral, longitudinally applied corrugated copper tape and metal sheath available, which are surrounded with fillers and grounding conductor, overall binder tape and overall PVC, LSZH or PE jacket.

Standards

National Fire Protection Standard (NEPA 70): National Electric Code

AEIC CS8

ICEA S-93-639 (NEMA WC74), Standard for shielded power cable 5KV-46KV

ICEA S-97-682

IEEE 1202 – Flame Testing of cables for use in cable tray

ICEA T29-520 Vertical

UL 1072 for medium voltage cables.



Conductors

The conductor consists of uncoated Class B compressed concentric stranded aluminium alloy 1350 or soft drawn annealed copper meeting the requirement of ASTM B3. Unless otherwise specified, the conductor shall be supplied class B as per ASTM B496.



Conductor Shield

Conductor shield consists of extruded thermosetting semi conducting compound which is free stripping from conductor and bonded to the insulation

Insulation

The insulation is either XLPE or EPR extruded concentrically over the conductor. High dielectric strength tree retardant XLPE (TR-XLPE) can be offered as option to provide an optimum balance of mechanical and electrical properties, insuring resistance to treeing. 100% or 133% insulation level is available upon request. The insulation meets or exceeds electrical and physical requirements of ICEA S-96-659/NEMA WC71, and UL 1072.

Insulation Shield

Insulation shield consists of extruded thermosetting semi-conducting compound with controlled adhesion to the insulation, providing required balance between electrical integrity and ease of stripping

Metallic Shielding

1) Copper Tape

For Copper tape shield, helically bare 5 mil copper tape shield over the insulation shield with minimum overlap of 20%. A mylar ribbon may be longitudinally applied under the copper tape for core identification. 1C red 1C Blue and 1C none. There are grounding conductor made of bare stranded copper conductor per each interstices, per UL, ICEA and AST

2) Wire Shield

Bare copper wire shield is evenly spaced with 5000 circular mils minimum per inch of core diameter. The shield insures a reliable shield that can be easily terminated.

3) Concentric Neutral

Either bare or tinned copper wire (#6 to #9AWG) is helically applied around the cores.

Assembly

Cables are cabled together with a left hand lay and suitable filler to make the cable round. A binder tape is applied to maintain core geometry and mechanical stability. Fillers may be PP yarn, ramie yarn, plastics or other filler material.

Armour (optional)

For armouring options, inner PVC jacket is applied over the binder type. Corrugated aluminium interlocking armour (AIA) is applied over the inner jacket



Caledonian Medium Voltage Cables

Jacket

A protective sunlight and ozone resistant jacket of PVC is extruded for a tight fit over the welded armour or the core assembly.

Options

- TR-XLPE insulation
- Compact stranded conductor
- Super smooth conductor shield
- Zero or one grounding conductor
- CPE, LLLPE, LSOH or low temperature PVC jacket
- Oil resistant jacket



Addison Medium Voltage Cables



XLPE INSULATED CABLES MV-90 Tape Shielded Cables

5kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	2.03/80	33.5	1.32	1632	1097	1239	833	100	80	105	81
2 AWG	2.29/90	2.03/80	36.6	1.44	2101	1412	1477	993	135	105	140	110
1 AWG	2.29/90	2.03/80	38.9	1.53	2502	1682	1626	1093	155	120	160	125
1/0 AWG	2.29/90	2.03/80	40.9	1.61	2898	1948	1812	1218	175	140	185	145
2/0 AWG	2.29/90	2.80/110	43.4	1.71	3379	2271	2264	1522	200	160	215	170
3/0 AWG	2.29/90	2.80/110	47.8	1.88	4184	2812	2537	1705	230	180	250	195
4/0 AWG	2.29/90	2.80/110	50.8	2.00	4935	3317	2871	1930	265	205	285	225
250 MCM	2.29/90	2.80/110	53.6	2.11	5596	3761	3171	2131	290	230	320	250
350 MCM	2.29/90	2.80/110	59.4	2.34	7317	4918	3932	2643	355	280	395	310
500 MCM	2.29/90	2.80/110	67.3	2.65	9921	6668	5094	3424	430	340	485	385
750 MCM	2.29/90	3.56/140	79.2	3.12	14326	9629	7075	4755	530	425	615	495
1000 MCM	2.29/90	3.56/140	87.4	3.44	18281	12287	8757	5886	600	495	705	585
5kV 133% to ICEA Standard												
4 AWG	2.92/115	2.03/80	36.1	1.42	1775	1193	1382	929	100	80	105	81
2 AWG	2.92/115	2.03/80	39.4	1.55	2254	1515	1629	1095	135	105	140	110
1 AWG	2.92/115	2.03/80	41.7	1.64	2662	1789	1785	1200	155	120	160	125
1/0 AWG	2.92/115	2.03/80	45.2	1.78	3211	2158	2126	1429	175	140	185	145
2/0 AWG	2.92/115	2.80/110	47.8	1.88	3709	2493	2447	1645	200	160	215	170
3/0 AWG	2.92/115	2.80/110	50.5	1.99	4376	2941	2729	1834	230	180	250	195
4/0 AWG	2.92/115	2.80/110	53.6	2.11	5137	3453	3074	2066	265	205	285	225
250 MCM	2.92/115	2.80/110	56.4	2.22	5807	3903	3382	2273	290	230	320	250
350 MCM	2.92/115	2.80/110	62.0	2.44	7546	5072	4161	2797	355	280	395	310
500 MCM	2.92/115	2.80/110	70.1	2.76	10175	6839	5349	3595	430	340	485	385
750 MCM	2.92/115	3.56/140	81.8	3.22	14624	9829	7372	4955	530	425	615	495
1000 MCM	2.92/115	3.56/140	90.2	3.55	18604	12504	9080	6103	600	495	705	585



Caledonian Medium Voltage Cables

8kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	2.03/80	36.1	1.42	1775	1193	1382	929	115	89	120	95
2 AWG	2.92/115	2.03/80	39.4	1.55	2254	1515	1629	1095	150	115	165	125
1 AWG	2.92/115	2.03/80	41.7	1.64	2662	1789	1785	1200	170	135	185	145
1/0 AWG	2.92/115	2.80/110	45.2	1.78	3211	2158	2126	1429	195	150	215	170
2/0 AWG	2.92/115	2.80/110	47.8	1.88	3709	2493	2447	1645	220	170	245	190
3/0 AWG	2.92/115	2.80/110	50.5	1.99	4376	2941	2729	1834	250	195	285	220
4/0 AWG	2.92/115	2.80/110	53.6	2.11	5137	3453	3074	2066	285	220	325	255
250 MCM	2.92/115	2.80/110	56.4	2.22	5807	3903	3382	2273	310	245	360	280
350 MCM	2.92/115	2.80/110	62.0	2.44	7546	5072	4161	2797	375	295	435	345
500 MCM	2.92/115	3.56/140	70.1	2.76	10175	6839	5349	3595	450	355	535	425
750 MCM	2.92/115	3.56/140	81.8	3.22	14624	9829	7372	4955	545	440	670	540
1000 MCM	2.92/115	3.56/140	90.2	3.55	18604	12504	9080	6103	615	510	770	635
8kV 133% to ICEA Standard												
2 AWG	3.56/140	2.03/80	42.2	1.66	2415	1623	1791	1204	150	115	165	125
1 AWG	3.56/140	2.80/110	45.7	1.80	2979	2002	2102	1413	170	135	185	145
1/0 AWG	3.56/140	2.80/110	48.0	1.89	3395	2282	2311	1553	195	150	215	170
2/0 AWG	3.56/140	2.80/110	50.5	1.99	3901	2622	2639	1774	220	170	245	190
3/0 AWG	3.56/140	2.80/110	53.1	2.09	4576	3076	2929	1969	250	195	285	220
4/0 AWG	3.56/140	2.80/110	56.4	2.22	5347	3594	3285	2208	285	220	325	255
250 MCM	3.56/140	2.80/110	59.2	2.33	6027	4051	3602	2421	310	245	360	280
350 MCM	3.56/140	2.80/110	64.8	2.55	7784	5232	4399	2957	375	295	435	345
500 MCM	3.56/140	3.56/140	74.4	2.93	10682	7180	5856	3936	450	355	535	425
750 MCM	3.56/140	3.56/140	84.6	3.33	14929	10034	7679	5161	545	440	670	540
1000 MCM	3.56/140	3.56/140	93.0	3.66	18937	12728	9413	6327	615	510	770	635

Addison Medium Voltage Cables



15kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.80/110	47.5	1.87	2809	1888	2186	1469	150	115	165	125
1 AWG	4.45/175	2.80/110	49.8	1.96	3242	2179	2366	1590	170	135	185	145
1/0 AWG	4.45/175	2.80/110	51.8	2.04	3669	2466	2583	1736	195	150	215	170
2/0 AWG	4.45/175	2.80/110	54.4	2.14	4185	2813	2924	1965	220	170	245	190
3/0 AWG	4.45/175	2.80/110	56.9	2.24	4873	3275	3226	2168	250	195	285	220
4/0 AWG	4.45/175	2.80/110	60.2	2.37	5658	3803	3595	2416	285	220	325	255
250 MCM	4.45/175	2.80/110	63.0	2.48	6350	4268	3925	2638	310	245	360	280
350 MCM	4.45/175	3.56/140	69.6	2.74	8226	5529	4841	3254	375	295	435	345
500 MCM	4.45/175	3.56/140	78.2	3.08	11080	7447	6253	4203	450	355	535	425
750 MCM	4.45/175	3.56/140	88.4	3.48	15374	10333	8122	5459	545	440	670	540
1000 MCM	4.45/175	3.56/140	97.5	3.84	19547	13138	10023	6737	615	510	770	635
15kV 133% to ICEA Standard												
2 AWG	5.59/220	2.80/110	52.3	2.06	3160	2124	2537	1705	150	115	165	125
1 AWG	5.59/220	2.80/110	54.6	2.15	3606	2424	2729	1834	170	135	185	145
1/0 AWG	5.59/220	2.80/110	56.9	2.24	4045	2719	2959	1989	195	150	215	170
2/0 AWG	5.59/220	2.80/110	59.2	2.33	4575	3075	3313	2227	220	170	245	190
3/0 AWG	5.59/220	2.80/110	62.0	2.44	5279	3548	3632	2441	250	195	285	220
4/0 AWG	5.59/220	2.80/110	65.0	2.56	6082	4088	4019	2701	285	220	325	255
250 MCM	5.59/220	2.80/110	68.8	2.71	6884	4627	4459	2997	310	245	360	280
350 MCM	5.59/220	3.56/140	75.9	2.99	8954	6018	5569	3743	375	295	435	345
500 MCM	5.59/220	3.56/140	83.1	3.27	11617	7808	6790	4564	450	355	535	425
750 MCM	5.59/220	3.56/140	93.5	3.68	15969	10733	8717	5859	545	440	670	540
1000 MCM	5.59/220	3.56/140	102.6	4.04	20196	13574	10672	7173	615	510	770	635



Caledonian Medium Voltage Cables

25kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.80/110	58.9	2.32	3953	2657	3077	2068	170	135	185	145
1/0 AWG	6.60/260	2.80/110	61.2	2.41	4404	2960	3318	2230	195	150	215	170
2/0 AWG	6.60/260	2.80/110	63.5	2.50	4945	3324	3684	2476	220	170	245	190
3/0 AWG	6.60/260	2.80/110	67.3	2.65	5755	3868	4108	2761	250	195	285	220
4/0 AWG	6.60/260	3.56/140	70.4	2.77	6578	4421	4514	3034	285	220	325	255
250 MCM	6.60/260	3.56/140	74.7	2.94	7548	5073	5124	3444	310	245	360	280
350 MCM	6.60/260	3.56/140	80.3	3.16	9418	6330	6033	4055	375	295	435	345
500 MCM	6.60/260	3.56/140	87.6	3.45	12117	8144	7290	4900	450	355	535	425
750 MCM	6.60/260	3.56/140	98.8	3.89	16653	11193	9401	6319	545	440	670	540
1000 MCM	6.60/260	3.56/140	106.9	4.21	20797	13978	11273	7577	615	510	770	635
25kV 133% to ICEA Standard												
1/0 AWG	8.76/345	3.56/140	73.2	2.88	5596	3761	4510	3031	195	150	215	170
2/0 AWG	8.76/345	3.56/140	75.4	2.97	6176	4151	4914	3303	220	170	245	190
3/0 AWG	8.76/345	3.56/140	78.2	3.08	6936	4662	5289	3555	250	195	285	220
4/0 AWG	8.76/345	3.56/140	81.5	3.21	7804	5245	5741	3859	285	220	325	255
250 MCM	8.76/345	3.56/140	84.3	3.32	8573	5762	6148	4132	310	245	360	280
350 MCM	8.76/345	3.56/140	89.9	3.54	10504	7060	7119	4785	375	295	435	345
500 MCM	8.76/345	3.56/140	98.0	3.86	13413	9015	8586	5771	450	355	535	425

Addison Medium Voltage Cables



35kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	3.56/140	73.2	2.88	5596	3761	4510	3031	195	150	215	170
2/0 AWG	8.76/345	3.56/140	75.4	2.97	6176	4151	4914	3303	220	170	245	190
3/0 AWG	8.76/345	3.56/140	78.2	3.08	6936	4662	5289	3555	250	195	285	220
4/0 AWG	8.76/345	3.56/140	81.5	3.21	7804	5245	5741	3859	285	220	325	255
250 MCM	8.76/345	3.56/140	84.3	3.32	8573	5762	6148	4132	310	245	360	280
350 MCM	8.76/345	3.56/140	89.9	3.54	10504	7060	7119	4785	375	295	435	345
500 MCM	8.76/345	3.56/140	98.0	3.86	13413	9015	8586	5771	450	355	535	425
35kV 133% to ICEA Standard												
1/0 AWG	10.67/420	3.56/140	81.5	3.21	6481	4356	5395	3626	195	150	215	170
2/0 AWG	10.67/420	3.56/140	84.1	3.31	7083	4761	5823	3914	220	170	245	190
3/0 AWG	10.67/420	3.56/140	86.6	3.41	7872	5291	6225	4184	250	195	285	220
4/0 AWG	10.67/420	3.56/140	89.9	3.54	8771	5895	6709	4509	285	220	325	255
250 MCM	10.67/420	3.56/140	92.7	3.65	9567	6430	7141	4800	310	245	360	280
350 MCM	10.67/420	3.56/140	99.3	3.91	11685	7854	8302	5580	375	295	435	345
500 MCM	10.67/420	3.56/140	106.4	4.19	14543	9775	9717	6531	450	355	535	425



Caledonian Medium Voltage Cables

Armoured Tape Shielded Cables
aluminum interlocked armor
three core

5kV 100% Three Conductor AIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	2.03/80	37.6	1.48	1839	1236	1448	973	100	80	105	81
2 AWG	2.29/90	2.03/80	40.9	1.61	2325	1563	1702	1144	135	105	140	110
1 AWG	2.29/90	2.79/110	43.7	1.72	2787	1873	1910	1284	155	120	160	125
1/0 AWG	2.29/90	2.79/110	45.7	1.80	3197	2149	2111	1419	175	140	185	145
2/0 AWG	2.29/90	2.79/110	48.8	1.92	3773	2536	2511	1688	200	160	215	170
3/0 AWG	2.29/90	2.79/110	51.6	2.03	4444	2987	2797	1880	230	180	250	195
4/0 AWG	2.29/90	2.79/110	54.6	2.15	5210	3502	3148	2116	265	205	285	225
250 MCM	2.29/90	2.79/110	57.4	2.26	5886	3956	3461	2326	290	230	320	250
350 MCM	2.29/90	3.56/140	63.8	2.51	7738	5201	4355	2927	355	280	395	310
500 MCM	2.29/90	3.56/140	71.9	2.83	10394	6986	5567	3742	430	340	485	385
750 MCM	2.29/90	3.56/140	82.6	3.25	14700	9880	7448	5006	530	425	615	495
1000 MCM	2.29/90	3.56/140	90.9	3.58	18690	12562	9166	6161	600	495	705	585
5kV 133% Three Conductor AIA												
4 AWG	2.92/115	2.03/80	40.4	1.59	1997	1342	1604	1078	100	80	105	81
2 AWG	2.92/115	2.79/110	44.2	1.74	2541	1708	1918	1289	135	105	140	110
1 AWG	2.92/115	2.79/110	46.2	1.82	2965	1993	2087	1403	155	120	160	125
1/0 AWG	2.92/115	2.79/110	49.0	1.93	3461	2326	2375	1596	175	140	185	145
2/0 AWG	2.92/115	2.79/110	51.6	2.03	3969	2668	2708	1820	200	160	215	170
3/0 AWG	2.92/115	2.79/110	54.1	2.13	4651	3126	3002	2018	230	180	250	195
4/0 AWG	2.92/115	2.79/110	57.4	2.26	5426	3647	3364	2261	265	205	285	225
250 MCM	2.92/115	2.79/110	60.2	2.37	6110	4107	3685	2477	290	230	320	250
350 MCM	2.92/115	3.56/140	66.5	2.62	7987	5368	4602	3093	355	280	395	310
500 MCM	2.92/115	3.56/140	74.7	2.94	10668	7170	5841	3926	430	340	485	385
750 MCM	2.92/115	3.56/140	85.3	3.36	15009	10088	7757	5214	530	425	615	495
1000 MCM	2.92/115	3.56/140	93.7	3.69	19025	12787	9501	6386	600	495	705	585

Addison Medium Voltage Cables



8kV 100% Three Conductor AIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	2.03/80	40.4	1.59	1997	1342	1604	1078	115	89	120	95
2 AWG	2.92/115	2.79/110	44.2	1.74	2541	1708	1918	1289	150	115	165	125
1 AWG	2.92/115	2.79/110	46.2	1.82	2965	1993	2087	1403	170	135	185	145
1/0 AWG	2.92/115	2.79/110	49.0	1.93	3461	2326	2375	1596	195	150	215	170
2/0 AWG	2.92/115	2.79/110	51.6	2.03	3969	2668	2708	1820	220	170	245	190
3/0 AWG	2.92/115	2.79/110	54.1	2.13	4651	3126	3002	2018	250	195	285	220
4/0 AWG	2.92/115	2.79/110	57.4	2.26	5426	3647	3364	2261	285	220	325	255
250 MCM	2.92/115	2.79/110	60.2	2.37	6110	4107	3685	2477	310	245	360	280
350 MCM	2.92/115	3.56/140	66.5	2.62	7987	5368	4602	3093	375	295	435	345
500 MCM	2.92/115	3.56/140	74.7	2.94	10668	7170	5841	3926	450	355	535	425
750 MCM	2.92/115	3.56/140	85.3	3.36	15009	10088	7757	5214	545	440	670	540
1000 MCM	2.92/115	3.56/140	93.7	3.69	19025	12787	9501	6386	615	510	770	635
8kV 133% Three Conductor AIA												
2 AWG	3.56/140	2.79/110	47.5	1.87	2724	1831	2101	1412	150	115	165	125
1 AWG	3.56/140	2.79/110	49.5	1.95	3230	2171	2354	1582	170	135	185	145
1/0 AWG	3.56/140	2.79/110	51.8	2.04	3659	2459	2572	1729	195	150	215	170
2/0 AWG	3.56/140	2.79/110	54.1	2.13	4175	2806	2913	1958	220	170	245	190
3/0 AWG	3.56/140	2.79/110	56.9	2.24	4865	3270	3217	2162	250	195	285	220
4/0 AWG	3.56/140	2.79/110	59.9	2.36	5651	3798	3587	2411	285	220	325	255
250 MCM	3.56/140	3.56/140	63.8	2.51	6448	4334	4023	2704	310	245	360	280
350 MCM	3.56/140	3.56/140	69.3	2.73	8242	5540	4858	3265	375	295	435	345
500 MCM	3.56/140	3.56/140	77.2	3.04	10950	7360	6124	4116	450	355	535	425
750 MCM	3.56/140	3.56/140	88.1	3.47	15327	10302	8076	5428	545	440	670	540
1000 MCM	3.56/140	3.56/140	96.3	3.79	19370	13019	9846	6618	615	510	770	635



Caledonian Medium Voltage Cables

15kV 100% Three Conductor AIA												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.79/110	51.3	2.02	3069	2063	2444	1643	150	115	165	125
1 AWG	4.45/175	2.79/110	53.3	2.10	3513	2361	2636	1772	170	135	185	145
1/0 AWG	4.45/175	2.79/110	55.6	2.19	3950	2655	2864	1925	195	150	215	170
2/0 AWG	4.45/175	2.79/110	57.9	2.28	4477	3009	3217	2162	220	170	245	190
3/0 AWG	4.45/175	2.79/110	60.7	2.39	5179	3481	3532	2374	250	195	285	220
4/0 AWG	4.45/175	3.56/140	64.8	2.55	6085	4090	4023	2704	285	220	325	255
250 MCM	4.45/175	3.56/140	67.6	2.66	6796	4568	4371	2938	310	245	360	280
350 MCM	4.45/175	3.56/140	74.2	2.92	8714	5857	5331	3583	375	295	435	345
500 MCM	4.45/175	3.56/140	81.3	3.20	11359	7635	6533	4391	450	355	535	425
750 MCM	4.45/175	3.56/140	91.9	3.62	15787	10611	8536	5737	545	440	670	540
1000 MCM	4.45/175	3.56/140	101.1	3.98	20001	13443	10477	7042	615	510	770	635
15kV 133% Three Conductor AIA												
2 AWG	5.59/220	2.79/110	56.1	2.21	3444	2315	2819	1895	150	115	165	125
1 AWG	5.59/220	2.79/110	58.4	2.30	3901	2622	3023	2032	170	135	185	145
1/0 AWG	5.59/220	2.79/110	60.5	2.38	4350	2924	3264	2194	195	150	215	170
2/0 AWG	5.59/220	3.56/140	63.8	2.51	4996	3358	3734	2510	220	170	245	190
3/0 AWG	5.59/220	3.56/140	66.5	2.62	5719	3844	4071	2736	250	195	285	220
4/0 AWG	5.59/220	3.56/140	69.6	2.74	6542	4397	4478	3010	285	220	325	255
250 MCM	5.59/220	3.56/140	73.4	2.89	7368	4952	4942	3322	310	245	360	280
350 MCM	5.59/220	3.56/140	79.0	3.11	9226	6201	5841	3926	375	295	435	345
500 MCM	5.59/220	3.56/140	86.6	3.41	12007	8070	7180	4826	450	355	535	425
750 MCM	5.59/220	3.56/140	97.0	3.82	16405	11026	9153	6152	545	440	670	540
1000 MCM	5.59/220	3.56/140	106.2	4.18	20670	13893	11147	7492	615	510	770	635

Addison Medium Voltage Cables



25kV 100% Three Conductor AIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	3.56/140	63.5	2.50	4373	2939	3496	2350	170	135	185	145
1/0 AWG	6.60/260	3.56/140	65.8	2.59	4837	3251	3752	2522	195	150	215	170
2/0 AWG	6.60/260	3.56/140	68.1	2.68	5395	3626	4135	2779	220	170	245	190
3/0 AWG	6.60/260	3.56/140	71.6	2.82	6228	4186	4581	3079	250	195	285	220
4/0 AWG	6.60/260	3.56/140	74.9	2.95	7072	4753	5009	3367	285	220	325	255
250 MCM	6.60/260	3.56/140	77.7	3.06	7817	5254	5392	3624	310	245	360	280
350 MCM	6.60/260	3.56/140	83.8	3.30	9796	6584	6412	4310	375	295	435	345
500 MCM	6.60/260	3.56/140	90.9	3.58	12527	8420	7701	5176	450	355	535	425
750 MCM	6.60/260	3.56/140	102.1	4.02	17111	11501	9860	6627	545	440	670	540
25kV 133% Three Conductor AIA												
1/0 AWG	8.76/345	3.56/140	76.2	3.00	5859	3938	4773	3208	195	150	215	170
2/0 AWG	8.76/345	3.56/140	78.5	3.09	6447	4333	5185	3485	220	170	245	190
3/0 AWG	8.76/345	3.56/140	81.3	3.20	7217	4851	5569	3743	250	195	285	220
4/0 AWG	8.76/345	3.56/140	84.8	3.34	8187	5503	6125	4117	285	220	325	255
250 MCM	8.76/345	3.56/140	87.9	3.46	8969	6028	6543	4398	310	245	360	280
350 MCM	8.76/345	3.56/140	93.5	3.68	10925	7343	7540	5068	375	295	435	345
500 MCM	8.76/345	3.56/140	101.3	3.99	13868	9321	9041	6077	450	355	535	425



Caledonian Medium Voltage Cables

35kV 100% Three Conductor AIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	3.56/140	76.2	3.00	5859	3938	4773	3208	195	150	215	170
2/0 AWG	8.76/345	3.56/140	78.5	3.09	6447	4333	5185	3485	220	170	245	190
3/0 AWG	8.76/345	3.56/140	81.3	3.20	7217	4851	5569	3743	250	195	285	220
4/0 AWG	8.76/345	3.56/140	84.8	3.34	8187	5503	6125	4117	285	220	325	255
250 MCM	8.76/345	3.56/140	87.9	3.46	8969	6028	6543	4398	310	245	360	280
350 MCM	8.76/345	3.56/140	93.5	3.68	10925	7343	7540	5068	375	295	435	345
500 MCM	8.76/345	3.56/140	101.3	3.99	13868	9321	9041	6077	450	150	535	170
35kV 133% t Three Conductor AIA												
1/0 AWG	10.67/420	3.56/140	85.1	3.35	6865	4614	5779	3884	195	150	215	170
2/0 AWG	10.67/420	3.56/140	87.4	3.44	7479	5027	6218	4179	220	170	245	190
3/0 AWG	10.67/420	3.56/140	90.2	3.55	8280	5565	6631	4457	250	195	285	220
4/0 AWG	10.67/420	3.56/140	93.5	3.68	9192	6178	7128	4791	285	220	325	255
250 MCM	10.67/420	3.56/140	96.3	3.79	10000	6721	7574	5091	310	245	360	280
350 MCM	10.67/420	3.56/140	102.9	4.05	12146	8164	8762	5889	375	295	435	345

Addison Medium Voltage Cables



galvanized steel interlocked armor

5kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	2.03/80	37.1	1.46	2200	1479	1808	1215	100	80	105	81
2 AWG	2.29/90	2.03/80	40.4	1.59	2723	1830	2099	1411	135	105	140	110
1 AWG	2.29/90	2.79/110	43.2	1.70	3209	2157	2333	1568	155	120	160	125
1/0 AWG	2.29/90	2.79/110	45.2	1.78	3644	2449	2559	1720	175	140	185	145
2/0 AWG	2.29/90	2.79/110	48.5	1.91	4393	2953	3133	2106	200	160	215	170
3/0 AWG	2.29/90	2.79/110	51.3	2.02	5106	3432	3459	2325	230	180	250	195
4/0 AWG	2.29/90	2.79/110	54.4	2.14	5919	3978	3856	2592	265	205	285	225
250 MCM	2.29/90	2.79/110	57.2	2.25	6636	4460	4210	2830	290	230	320	250
350 MCM	2.29/90	3.56/140	63.5	2.50	8571	5761	5188	3487	355	280	395	310
500 MCM	2.29/90	3.56/140	71.6	2.82	11346	7626	6520	4382	430	340	485	385
750 MCM	2.29/90	3.56/140	82.3	3.24	15802	10621	8552	5748	530	425	615	495
1000 MCM	2.29/90	3.56/140	90.7	3.57	19914	13385	10391	6984	600	495	705	585
5kV 133% Three Conductor GSIA												
4 AWG	2.92/115	2.03/80	39.9	1.57	2389	1606	1997	1342	100	80	105	81
2 AWG	2.92/115	2.03/80	43.7	1.72	2970	1996	2346	1577	135	105	140	110
1 AWG	2.92/115	2.79/110	45.7	1.80	3419	2298	2541	1708	155	120	160	125
1/0 AWG	2.92/115	2.79/110	48.8	1.92	4087	2747	3001	2017	175	140	185	145
2/0 AWG	2.92/115	2.79/110	51.3	2.02	4632	3113	3370	2265	200	160	215	170
3/0 AWG	2.92/115	2.79/110	53.8	2.12	5353	3598	3705	2490	230	180	250	195
4/0 AWG	2.92/115	2.79/110	57.2	2.25	6174	4150	4112	2764	265	205	285	225
250 MCM	2.92/115	2.79/110	59.9	2.36	6902	4639	4477	3009	290	230	320	250
350 MCM	2.92/115	3.56/140	66.3	2.61	8860	5955	5475	3680	355	280	395	310
500 MCM	2.92/115	3.56/140	74.4	2.93	11660	7837	6834	4593	430	340	485	385
750 MCM	2.92/115	3.56/140	85.1	3.35	16153	10857	8902	5983	530	425	615	495
1000 MCM	2.92/115	3.56/140	93.5	3.68	20291	13638	10767	7237	600	495	705	585



Caledonian Medium Voltage Cables

8kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	2.03/80	39.9	1.57	2389	1606	1997	1342	115	89	120	95
2 AWG	2.92/115	2.03/80	43.7	1.72	2970	1996	2346	1577	150	115	165	125
1 AWG	2.92/115	2.79/110	45.7	1.80	3419	2298	2541	1708	170	135	185	145
1/0 AWG	2.92/115	2.79/110	48.8	1.92	4087	2747	3001	2017	195	150	215	170
2/0 AWG	2.92/115	2.79/110	51.3	2.02	4632	3113	3370	2265	220	170	245	190
3/0 AWG	2.92/115	2.79/110	53.8	2.12	5353	3598	3705	2490	250	195	285	220
4/0 AWG	2.92/115	2.79/110	57.2	2.25	6174	4150	4112	2764	285	220	325	255
250 MCM	2.92/115	2.79/110	59.9	2.36	6902	4639	4477	3009	310	245	360	280
350 MCM	2.92/115	2.79/110	66.3	2.61	8860	5955	5475	3680	375	295	435	345
500 MCM	2.92/115	3.56/140	74.4	2.93	11660	7837	6834	4593	450	355	535	425
750 MCM	2.92/115	3.56/140	85.1	3.35	16153	10857	8902	5983	545	440	670	540
1000 MCM	2.92/115	3.56/140	93.5	3.68	20291	13638	10767	7237	615	510	770	635
8kV 133% Three Conductor GSIA												
2 AWG	3.56/140	2.79/110	47.2	1.86	3187	2142	2562	1722	150	115	165	125
1 AWG	3.56/140	2.79/110	49.3	1.94	3865	2598	2989	2009	170	135	185	145
1/0 AWG	3.56/140	2.79/110	51.6	2.03	4325	2907	3239	2177	195	150	215	170
2/0 AWG	3.56/140	2.79/110	53.8	2.12	4877	3278	3617	2431	220	170	245	190
3/0 AWG	3.56/140	2.79/110	56.6	2.23	5608	3769	3961	2662	250	195	285	220
4/0 AWG	3.56/140	2.79/110	59.7	2.35	6439	4328	4377	2942	285	220	325	255
250 MCM	3.56/140	2.79/110	63.5	2.50	7280	4893	4855	3263	310	245	360	280
350 MCM	3.56/140	2.79/110	69.1	2.72	9156	6154	5771	3879	375	295	435	345
500 MCM	3.56/140	3.56/140	77.0	3.03	11983	8054	7156	4810	450	355	535	425
750 MCM	3.56/140	3.56/140	87.9	3.46	16512	11098	9260	6224	545	440	670	540
1000 MCM	3.56/140	3.56/140	96.0	3.78	20675	13896	11151	7495	615	510	770	635

Addison Medium Voltage Cables



15kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.79/110	51.1	2.01	3728	2506	3104	2086	150	115	165	125
1 AWG	4.45/175	2.79/110	53.1	2.09	4205	2826	3327	2236	170	135	185	145
1/0 AWG	4.45/175	2.79/110	55.4	2.18	4673	3141	3589	2412	195	150	215	170
2/0 AWG	4.45/175	2.79/110	57.7	2.27	5237	3520	3975	2672	220	170	245	190
3/0 AWG	4.45/175	2.79/110	60.5	2.38	5980	4019	4331	2911	250	195	285	220
4/0 AWG	4.45/175	2.79/110	64.5	2.54	6930	4658	4868	3272	285	220	325	255
250 MCM	4.45/175	2.79/110	67.3	2.65	7685	5165	5259	3535	310	245	360	280
350 MCM	4.45/175	3.56/140	73.9	2.91	9699	6519	6314	4244	375	295	435	345
500 MCM	4.45/175	3.56/140	81.0	3.19	12448	8367	7622	5123	450	355	535	425
750 MCM	4.45/175	3.56/140	91.7	3.61	17028	11445	9776	6571	545	440	670	540
1000 MCM	4.45/175	3.56/140	100.8	3.97	21375	14367	11852	7966	615	510	770	635
15kV 133% Three Conductor GSIA												
2 AWG	5.59/220	2.79/110	55.9	2.20	4176	2807	3551	2387	150	115	165	125
1 AWG	5.59/220	2.79/110	58.2	2.29	4664	3135	3788	2546	170	135	185	145
1/0 AWG	5.59/220	2.79/110	60.2	2.37	5146	3459	4060	2729	195	150	215	170
2/0 AWG	5.59/220	2.79/110	63.5	2.50	5828	3917	4568	3070	220	170	245	190
3/0 AWG	5.59/220	2.79/110	66.3	2.61	6591	4430	4942	3322	250	195	285	220
4/0 AWG	5.59/220	2.79/110	69.3	2.73	7460	5014	5396	3627	285	220	325	255
250 MCM	5.59/220	2.79/110	73.2	2.88	8341	5606	5916	3976	310	245	360	280
350 MCM	5.59/220	3.56/140	78.7	3.10	10282	6911	6897	4636	375	295	435	345
500 MCM	5.59/220	3.56/140	86.4	3.40	13169	8851	8342	5607	450	355	535	425
750 MCM	5.59/220	3.56/140	96.8	3.81	17718	11909	10467	7035	545	440	670	540
1000 MCM	5.59/220	3.56/140	105.9	4.17	22118	14866	12594	8465	615	510	770	635



Caledonian Medium Voltage Cables

25kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.79/110	63.2	2.49	5201	3496	4325	2907	170	135	185	145
1/0 AWG	6.60/260	2.79/110	65.5	2.58	5698	3830	4612	3100	195	150	215	170
2/0 AWG	6.60/260	2.79/110	67.8	2.67	6292	4229	5030	3381	220	170	245	190
3/0 AWG	6.60/260	2.79/110	71.4	2.81	7179	4825	5530	3717	250	195	285	220
4/0 AWG	6.60/260	3.56/140	74.7	2.94	8067	5422	6005	4036	285	220	325	255
250 MCM	6.60/260	3.56/140	77.5	3.05	8855	5952	6430	4322	310	245	360	280
350 MCM	6.60/260	3.56/140	83.6	3.29	10918	7338	7533	5063	375	295	435	345
500 MCM	6.60/260	3.56/140	90.7	3.57	13753	9244	8927	6000	450	355	535	425
750 MCM	6.60/260	3.56/140	101.9	4.01	18502	12436	11251	7562	545	440	670	540
25kV 133% Three Conductor GSIA												
1/0 AWG	8.76/345	3.56/140	75.9	2.99	6874	4620	5788	3890	195	150	215	170
2/0 AWG	8.76/345	3.56/140	78.2	3.08	7497	5039	6235	4191	220	170	245	190
3/0 AWG	8.76/345	3.56/140	81.0	3.19	8308	5584	6659	4476	250	195	285	220
4/0 AWG	8.76/345	3.56/140	84.6	3.33	9324	6267	7262	4881	285	220	325	255
250 MCM	8.76/345	3.56/140	87.6	3.45	10147	6820	7722	5190	310	245	360	280
350 MCM	8.76/345	3.56/140	93.2	3.67	12187	8191	8802	5916	375	295	435	345
500 MCM	8.76/345	3.56/140	101.1	3.98	15249	10249	10422	7005	450	355	535	425

Addison Medium Voltage Cables



35kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	3.56/140	75.9	2.99	6874	4620	5788	3890	195	150	215	170
2/0 AWG	8.76/345	3.56/140	78.2	3.08	7497	5039	6235	4191	220	170	245	190
3/0 AWG	8.76/345	3.56/140	81.0	3.19	8308	5584	6659	4476	250	195	285	220
4/0 AWG	8.76/345	3.56/140	84.6	3.33	9324	6267	7262	4881	285	220	325	255
250 MCM	8.76/345	3.56/140	87.6	3.45	10147	6820	7722	5190	310	245	360	280
350 MCM	8.76/345	3.56/140	93.2	3.67	12187	8191	8802	5916	375	295	435	345
500 MCM	8.76/345	3.56/140	101.1	3.98	15249	10249	10422	7005	450	355	535	425
35kV 133% Three Conductor GSIA												
1/0 AWG	10.67/420	3.56/140	84.8	3.34	8004	5380	6918	4650	195	150	215	170
2/0 AWG	10.67/420	3.56/140	87.1	3.43	8653	5816	7393	4969	220	170	245	190
3/0 AWG	10.67/420	3.56/140	89.9	3.54	9494	6381	7847	5274	250	195	285	220
4/0 AWG	10.67/420	3.56/140	93.2	3.67	10452	7025	8390	5639	285	220	325	255
250 MCM	10.67/420	3.56/140	96.0	3.78	11303	7597	8878	5967	310	245	360	280
350 MCM	10.67/420	3.56/140	102.6	4.04	13546	9105	10162	6830	375	295	435	345



Caledonian Medium Voltage Cables

EPR INSULATED CABLES MV-105

Tape Shielded Cables

5kV 100% Three Conductor												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	2.03/80	33.3	1.31	1675	1126	1282	862	110	86	115	90
2 AWG	2.29/90	2.03/80	36.1	1.42	2136	1436	1512	1016	145	110	154	120
1 AWG	2.29/90	2.03/80	37.8	1.49	2443	1642	1654	1112	165	130	180	140
1/0 AWG	2.29/90	2.03/80	40.1	1.58	2848	1914	1839	1236	190	150	205	160
2/0 AWG	2.29/90	2.80/110	42.7	1.68	3444	2315	2144	1441	220	170	240	185
3/0 AWG	2.29/90	2.80/110	46.0	1.81	4138	2781	2555	1717	250	195	280	215
4/0 AWG	2.29/90	2.80/110	49.3	1.94	4877	3278	2888	1941	285	220	320	250
250 MCM	2.29/90	2.80/110	51.8	2.04	5542	3725	3197	2149	315	245	355	280
350 MCM	2.29/90	2.80/110	57.4	2.26	7247	4871	3946	2652	380	310	440	345
500 MCM	2.29/90	2.80/110	64.8	2.55	9806	6591	5099	3427	460	365	545	430
750 MCM	2.29/90	3.56/140	76.5	3.01	14267	9589	7058	4744	570	460	685	550
1000 MCM	2.29/90	3.56/140	84.8	3.34	18235	12256	8793	5910	645	535	790	650
5kV 133% Three Conductor												
4 AWG	2.92/115	2.03/80	35.8	1.41	1834	1233	969	969	110	86	115	90
2 AWG	2.92/115	2.03/80	38.6	1.52	2306	1550	1129	1130	145	110	154	120
1 AWG	2.92/115	2.03/80	40.6	1.60	2619	1760	1230	1230	165	130	180	140
1/0 AWG	2.92/115	2.03/80	42.9	1.69	3032	2038	1358	1359	190	150	205	160
2/0 AWG	2.92/115	2.80/110	46.2	1.82	3740	2514	1672	1672	220	170	240	185
3/0 AWG	2.92/115	2.80/110	48.8	1.92	4349	2923	1858	1859	250	195	280	215
4/0 AWG	2.92/115	2.80/110	51.8	2.04	5100	3428	2090	2091	285	220	320	250
250 MCM	2.92/115	2.80/110	54.6	2.15	5776	3882	2306	2306	315	245	355	280
350 MCM	2.92/115	2.80/110	60.2	2.37	7502	5042	2822	2823	380	310	440	345
500 MCM	2.92/115	2.80/110	67.6	2.66	10089	6781	3617	3617	460	365	545	430
750 MCM	2.92/115	3.56/140	79.0	3.11	14597	9811	4966	4967	570	460	685	550
1000 MCM	2.92/115	3.56/140	87.6	3.45	18598	12500	6152	6154	645	535	790	650

Addison Medium Voltage Cables



8kV 100%												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	2.03/80	35.8	1.41	1834	1233	1442	969	125	96	135	105
2 AWG	2.92/115	2.03/80	38.6	1.52	2306	1550	1681	1130	160	125	185	145
1 AWG	2.92/115	2.03/80	40.6	1.60	2619	1760	1830	1230	185	145	210	165
1/0 AWG	2.92/115	2.80/110	42.9	1.69	3032	2038	2022	1359	210	165	240	185
2/0 AWG	2.92/115	2.80/110	46.2	1.82	3740	2514	2488	1672	235	185	275	215
3/0 AWG	2.92/115	2.80/110	48.8	1.92	4349	2923	2766	1859	270	210	315	245
4/0 AWG	2.92/115	2.80/110	51.8	2.04	5100	3428	3111	2091	305	240	360	285
250 MCM	2.92/115	2.80/110	54.6	2.15	5776	3882	3431	2306	335	265	400	315
350 MCM	2.92/115	2.80/110	60.2	2.37	7502	5042	4200	2823	400	315	490	385
500 MCM	2.92/115	3.56/140	67.6	2.66	10089	6781	5381	3617	485	385	600	475
750 MCM	2.92/115	3.56/140	79.0	3.11	14597	9811	7390	4967	585	475	745	600
1000 MCM	2.92/115	3.56/140	87.6	3.45	18598	12500	9156	6154	660	545	860	705
8kV 133%												
2 AWG	3.56/140	2.03/80	41.4	1.63	2485	1670	1861	1251	160	125	185	145
1 AWG	3.56/140	2.80/110	44.7	1.76	2952	1984	2162	1453	185	145	210	165
1/0 AWG	3.56/140	2.80/110	47.0	1.85	3382	2273	2369	1592	210	165	240	185
2/0 AWG	3.56/140	2.80/110	49.0	1.93	3952	2656	2700	1815	235	185	275	215
3/0 AWG	3.56/140	2.80/110	51.6	2.03	4572	3073	2988	2008	270	210	315	245
4/0 AWG	3.56/140	2.80/110	54.6	2.15	5334	3585	3345	2248	305	240	360	285
250 MCM	3.56/140	2.80/110	57.4	2.26	6020	4046	3675	2470	335	265	400	315
350 MCM	3.56/140	2.80/110	62.7	2.47	7766	5220	4465	3001	400	315	490	385
500 MCM	3.56/140	3.56/140	71.9	2.83	10617	7136	5910	3972	485	385	600	475
750 MCM	3.56/140	3.56/140	81.8	3.22	14938	10040	7731	5196	585	475	745	600
1000 MCM	3.56/140	3.56/140	90.4	3.56	18973	12752	9529	6405	660	545	860	705



Caledonian Medium Voltage Cables

15kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.80/110	46.7	1.84	2907	1954	2282	1534	160	125	185	145
1 AWG	4.45/175	2.80/110	48.5	1.91	3243	2180	2453	1649	185	145	210	165
1/0 AWG	4.45/175	2.80/110	50.8	2.00	3685	2477	2672	1796	210	165	240	185
2/0 AWG	4.45/175	2.80/110	52.8	2.08	4267	2868	3016	2027	235	185	275	215
3/0 AWG	4.45/175	2.80/110	55.4	2.18	4899	3293	3316	2229	270	210	315	245
4/0 AWG	4.45/175	2.80/110	58.4	2.30	5679	3817	3690	2480	305	240	360	285
250 MCM	4.45/175	2.80/110	61.2	2.41	6378	4287	4035	2712	335	265	400	315
350 MCM	4.45/175	3.56/140	67.6	2.66	8250	5545	4947	3325	400	315	490	385
500 MCM	4.45/175	3.56/140	75.7	2.98	11059	7433	6351	4269	485	385	600	475
750 MCM	4.45/175	3.56/140	85.6	3.37	15433	10373	8226	5529	585	475	745	600
1000 MCM	4.45/175	3.56/140	95.0	3.74	19642	13202	10200	6856	660	545	860	705
15kV 133% to ICEA Standard												
2 AWG	5.59/220	2.80/110	51.8	2.04	3300	2218	2675	1798	160	125	185	145
1 AWG	5.59/220	2.80/110	53.6	2.11	3648	2452	2860	1922	185	145	210	165
1/0 AWG	5.59/220	2.80/110	55.9	2.20	4106	2760	3090	2077	210	165	240	185
2/0 AWG	5.59/220	2.80/110	57.7	2.27	4701	3160	3452	2320	235	185	275	215
3/0 AWG	5.59/220	2.80/110	60.5	2.38	5352	3597	3769	2533	270	210	315	245
4/0 AWG	5.59/220	2.80/110	63.5	2.50	6154	4136	4163	2798	305	240	360	285
250 MCM	5.59/220	2.80/110	67.1	2.64	6964	4681	4620	3105	335	265	400	315
350 MCM	5.59/220	3.56/140	73.9	2.91	9028	6068	5725	3848	400	315	490	385
500 MCM	5.59/220	3.56/140	80.5	3.17	11657	7835	6950	4671	485	385	600	475
750 MCM	5.59/220	3.56/140	90.7	3.57	16101	10822	8894	5978	585	475	745	600
1000 MCM	5.59/220	3.56/140	100.1	3.94	20374	13694	10932	7348	660	545	860	705

Addison Medium Voltage Cables



25kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.80/110	57.9	2.28	4038	2714	3248	2183	185	145	210	165
1/0 AWG	6.60/260	2.80/110	60.2	2.37	4510	3031	3492	2347	210	165	240	185
2/0 AWG	6.60/260	2.80/110	62.2	2.45	5117	3439	3867	2599	235	185	275	215
3/0 AWG	6.60/260	2.80/110	65.5	2.58	5874	3948	4291	2884	270	210	315	245
4/0 AWG	6.60/260	3.56/140	68.6	2.70	6698	4502	4707	3164	305	240	360	285
250 MCM	6.60/260	3.56/140	72.9	2.87	7674	5158	5329	3582	335	265	400	315
350 MCM	6.60/260	3.56/140	78.5	3.09	9547	6417	6246	4198	400	315	490	385
500 MCM	6.60/260	3.56/140	85.1	3.35	12216	8211	7509	5047	485	385	600	475
750 MCM	6.60/260	3.56/140	96.0	3.78	16854	11328	9645	6483	585	475	745	600
1000 MCM	6.60/260	3.56/140	104.4	4.11	21054	14151	11611	7804	660	545	860	705
25kV 133% to ICEA Standard												
1/0 AWG	8.76/345	3.56/140	72.1	2.84	5813	3907	4791	3220	210	165	240	185
2/0 AWG	8.76/345	3.56/140	74.2	2.92	6454	4338	5207	3500	235	185	275	215
3/0 AWG	8.76/345	3.56/140	76.7	3.02	7167	4817	5584	3753	270	210	315	245
4/0 AWG	8.76/345	3.56/140	79.8	3.14	8042	5405	6052	4068	305	240	360	285
250 MCM	8.76/345	3.56/140	82.6	3.25	8824	5931	6479	4355	335	265	400	315
350 MCM	8.76/345	3.56/140	87.9	3.46	10770	7239	7469	5020	400	315	490	385
500 MCM	8.76/345	3.56/140	95.5	3.76	13658	9180	8951	6016	485	385	600	475



Caledonian Medium Voltage Cables

35kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	3.56/140	72.1	2.84	5813	3907	4791	3220	210	165	240	185
2/0 AWG	8.76/345	3.56/140	74.2	2.92	6454	4338	5207	3500	235	185	275	215
3/0 AWG	8.76/345	3.56/140	76.7	3.02	7167	4817	5584	3753	270	210	315	245
4/0 AWG	8.76/345	3.56/140	79.8	3.14	8042	5405	6052	4068	305	240	360	285
250 MCM	8.76/345	3.56/140	82.6	3.25	8824	5931	6479	4355	335	265	400	315
350 MCM	8.76/345	3.56/140	87.9	3.46	10770	7239	7469	5020	400	315	490	385
500 MCM	8.76/345	3.56/140	95.5	3.76	13658	9180	8951	6016	485	385	600	475
35kV 133% to ICEA Standard												
1/0 AWG	10.67/420	3.56/140	80.5	3.17	6789	4563	5764	3874	210	165	240	185
2/0 AWG	10.67/420	3.56/140	82.3	3.24	7452	5009	6207	4172	235	185	275	215
3/0 AWG	10.67/420	3.56/140	84.8	3.34	8195	5508	6612	4444	270	210	315	245
4/0 AWG	10.67/420	3.56/140	87.9	3.46	9105	6120	7115	4782	305	240	360	285
250 MCM	10.67/420	3.56/140	90.7	3.57	9918	6666	7574	5091	335	265	400	315
350 MCM	10.67/420	3.56/140	97.0	3.82	12060	8106	8759	5887	400	315	490	385
500 MCM	10.67/420	3.56/140	103.6	4.08	14902	10016	10194	6852	485	385	600	475

Addison Medium Voltage Cables



Armoured Tape Shielded Cables AIA

5kV 100% Three Conductor AIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	2.03/80	37.3	1.47	1882	1265	1489	1001	110	86	115	90
2 AWG	2.29/90	2.03/80	40.1	1.58	2358	1585	1733	1165	145	110	154	120
1 AWG	2.29/90	2.03/80	42.7	1.68	2721	1829	1931	1298	165	130	180	140
1/0 AWG	2.29/90	2.03/80	45.0	1.77	3141	2111	2129	1431	190	150	205	160
2/0 AWG	2.29/90	2.80/110	47.2	1.86	3779	2540	2526	1698	220	170	240	185
3/0 AWG	2.29/90	2.80/110	49.8	1.96	4391	2951	2807	1887	250	195	280	215
4/0 AWG	2.29/90	2.80/110	52.8	2.08	5145	3458	3156	2121	285	220	320	250
250 MCM	2.29/90	2.80/110	55.6	2.19	5823	3914	3478	2338	315	245	355	280
350 MCM	2.29/90	2.80/110	62.0	2.44	7656	5146	4355	2927	380	310	440	345
500 MCM	2.29/90	2.80/110	69.3	2.73	10263	6898	5555	3734	460	365	545	430
750 MCM	2.29/90	3.56/140	79.8	3.14	14628	9832	7420	4987	570	460	685	550
1000 MCM	2.29/90	3.56/140	88.4	3.48	18633	12524	9190	6177	645	535	790	650
5kV 133% Three Conductor AIA												
4 AWG	2.92/115	2.03/80	40.1	1.58	2055	1381	1662	1117	110	86	115	90
2 AWG	2.92/115	2.03/80	43.4	1.71	2589	1740	1965	1321	145	110	154	120
1 AWG	2.92/115	2.03/80	45.2	1.78	2915	1959	2126	1429	165	130	180	140
1/0 AWG	2.92/115	2.03/80	48.0	1.89	3420	2299	2409	1619	190	150	205	160
2/0 AWG	2.92/115	2.80/110	50.0	1.97	3993	2684	2742	1843	220	170	240	185
3/0 AWG	2.92/115	2.80/110	52.6	2.07	4615	3102	3032	2038	250	195	280	215
4/0 AWG	2.92/115	2.80/110	55.6	2.19	5381	3617	3392	2280	285	220	320	250
250 MCM	2.92/115	2.80/110	58.4	2.30	6070	4080	3725	2504	315	245	355	280
350 MCM	2.92/115	2.80/110	64.5	2.54	7929	5329	4627	3110	380	310	440	345
500 MCM	2.92/115	2.80/110	72.1	2.84	10565	7101	5858	3937	460	365	545	430
750 MCM	2.92/115	3.56/140	82.6	3.25	14970	10062	7763	5218	570	460	685	550
1000 MCM	2.92/115	3.56/140	91.2	3.59	19008	12776	9565	6429	645	535	790	650



Caledonian Medium Voltage Cables

8kV 100% Three Conductor AIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	2.03/80	40.1	1.58	2055	1381	1662	1117	125	96	135	105
2 AWG	2.92/115	2.03/80	43.4	1.71	2589	1740	1965	1321	160	125	185	145
1 AWG	2.92/115	2.03/80	45.2	1.78	2915	1959	2126	1429	185	145	210	165
1/0 AWG	2.92/115	2.80/110	47.8	1.88	3420	2299	2409	1619	210	165	240	185
2/0 AWG	2.92/115	2.80/110	50.3	1.98	3993	2684	2742	1843	235	185	275	215
3/0 AWG	2.92/115	2.80/110	52.6	2.07	4615	3102	3032	2038	270	210	315	245
4/0 AWG	2.92/115	2.80/110	55.6	2.19	5381	3617	3392	2280	305	240	360	285
250 MCM	2.92/115	2.80/110	58.4	2.30	6070	4080	3725	2504	335	265	400	315
350 MCM	2.92/115	2.80/110	64.5	2.54	7929	5329	4627	3110	400	315	490	385
500 MCM	2.92/115	3.56/140	72.1	2.84	10565	7101	5858	3937	485	385	600	475
750 MCM	2.92/115	3.56/140	82.6	3.25	14970	10062	7763	5218	585	475	745	600
1000 MCM	2.92/115	3.56/140	91.2	3.59	19008	12776	9565	6429	660	545	860	705
8kV 133% Three Conductor AIA												
2 AWG	3.56/140	2.03/80	46.2	1.82	2787	1873	2163	1454	160	125	185	145
1 AWG	3.56/140	2.80/110	48.5	1.91	3197	2149	2409	1619	185	145	210	165
1/0 AWG	3.56/140	2.80/110	50.5	1.99	3639	2446	2624	1764	210	165	240	185
2/0 AWG	3.56/140	2.80/110	52.8	2.08	4219	2836	2968	1995	235	185	275	215
3/0 AWG	3.56/140	2.80/110	55.4	2.18	4850	3260	3267	2196	270	210	315	245
4/0 AWG	3.56/140	2.80/110	58.4	2.30	5628	3783	3639	2446	305	240	360	285
250 MCM	3.56/140	2.80/110	62.0	2.44	6429	4321	4084	2745	335	265	400	315
350 MCM	3.56/140	2.80/110	67.3	2.65	8211	5519	4910	3300	400	315	490	385
500 MCM	3.56/140	3.56/140	74.9	2.95	10876	7310	6168	4146	485	385	600	475
750 MCM	3.56/140	3.56/140	85.3	3.36	15323	10299	8116	5455	585	475	745	600
1000 MCM	3.56/140	3.56/140	93.7	3.69	19394	13035	9952	6689	660	545	860	705

Addison Medium Voltage Cables



15kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.80/110	50.5	1.99	3163	2126	2538	1706	160	125	185	145
1 AWG	4.45/175	2.80/110	52.3	2.06	3508	2358	2720	1828	185	145	210	165
1/0 AWG	4.45/175	2.80/110	54.6	2.15	3962	2663	2946	1980	210	165	240	185
2/0 AWG	4.45/175	2.80/110	56.6	2.23	4553	3060	3301	2219	235	185	275	215
3/0 AWG	4.45/175	2.80/110	59.2	2.33	5198	3494	3615	2430	270	210	315	245
4/0 AWG	4.45/175	2.80/110	63.0	2.48	6096	4097	4106	2760	305	240	360	285
250 MCM	4.45/175	2.80/110	65.8	2.59	6813	4579	4468	3003	335	265	400	315
350 MCM	4.45/175	3.56/140	72.1	2.84	8725	5864	5423	3645	400	315	490	385
500 MCM	4.45/175	3.56/140	78.7	3.10	11330	7615	6622	4451	485	385	600	475
750 MCM	4.45/175	3.56/140	89.2	3.51	15836	10644	8628	5799	585	475	745	600
1000 MCM	4.45/175	3.56/140	98.6	3.88	20085	13500	10642	7153	660	545	860	705
15kV 133% to ICEA Standard												
2 AWG	5.59/220	2.80/110	55.6	2.19	3580	2406	2956	1987	160	125	185	145
1 AWG	5.59/220	2.80/110	57.4	2.26	3938	2647	3148	2116	185	145	210	165
1/0 AWG	5.59/220	2.80/110	59.7	2.35	4407	2962	3391	2279	210	165	240	185
2/0 AWG	5.59/220	2.80/110	62.2	2.45	5114	3437	3864	2597	235	185	275	215
3/0 AWG	5.59/220	2.80/110	64.8	2.55	5782	3886	4197	2821	270	210	315	245
4/0 AWG	5.59/220	2.80/110	68.1	2.68	6601	4437	4612	3100	305	240	360	285
250 MCM	5.59/220	2.80/110	71.6	2.82	7436	4998	5091	3422	335	265	400	315
350 MCM	5.59/220	3.56/140	77.0	3.03	9294	6247	5991	4027	400	315	490	385
500 MCM	5.59/220	3.56/140	84.1	3.31	12036	8090	7329	4926	485	385	600	475
750 MCM	5.59/220	3.56/140	94.2	3.71	16525	11107	9317	6262	585	475	745	600
1000 MCM	5.59/220	3.56/140	103.4	4.07	20838	14006	11395	7659	660	545	860	705



Caledonian Medium Voltage Cables

25kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.80/110	62.5	2.46	4450	2991	3661	2461	185	145	210	165
1/0 AWG	6.60/260	2.80/110	64.8	2.55	4938	3319	3919	2634	210	165	240	185
2/0 AWG	6.60/260	2.80/110	66.8	2.63	5557	3735	4309	2896	235	185	275	215
3/0 AWG	6.60/260	2.80/110	70.1	2.76	6338	4260	4755	3196	270	210	315	245
4/0 AWG	6.60/260	3.56/140	73.2	2.88	7182	4827	5191	3489	305	240	360	285
250 MCM	6.60/260	3.56/140	75.9	2.99	7936	5334	5593	3759	335	265	400	315
350 MCM	6.60/260	3.56/140	81.8	3.22	9918	6666	6616	4447	400	315	490	385
500 MCM	6.60/260	3.56/140	88.4	3.48	12617	8480	7909	5316	485	385	600	475
750 MCM	6.60/260	3.56/140	99.3	3.91	17300	11628	10092	6783	585	475	745	600
25kV 133% to ICEA Standard												
1/0 AWG	8.76/345	3.56/140	75.2	2.96	6073	4082	4081	2743	210	165	240	185
2/0 AWG	8.76/345	3.56/140	77.2	3.04	6720	4517	4515	3035	235	185	275	215
3/0 AWG	8.76/345	3.56/140	79.8	3.14	7442	5002	5001	3361	270	210	315	245
4/0 AWG	8.76/345	3.56/140	83.3	3.28	8418	5658	5657	3802	305	240	360	285
250 MCM	8.76/345	3.56/140	85.9	3.38	9213	6192	6191	4161	335	265	400	315
350 MCM	8.76/345	3.56/140	91.4	3.60	11182	7516	7515	5051	400	315	490	385
500 MCM	8.76/345	3.56/140	98.8	3.89	14103	9479	9477	6370	485	385	600	475

Addison Medium Voltage Cables



35kV 100% to ICEA Standard												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	3.56/140	75.2	2.96	6073	4082	5051	3395	210	165	240	185
2/0 AWG	8.76/345	3.56/140	77.2	3.04	6720	4517	5475	3680	235	185	275	215
3/0 AWG	8.76/345	3.56/140	79.8	3.14	7442	5002	5859	3938	270	210	315	245
4/0 AWG	8.76/345	3.56/140	83.3	3.28	8418	5658	6429	4321	305	240	360	285
250 MCM	8.76/345	3.56/140	85.9	3.38	9213	6192	6868	4616	335	265	400	315
350 MCM	8.76/345	3.56/140	91.4	3.60	11182	7516	7881	5297	400	315	490	385
500 MCM	8.76/345	3.56/140	98.8	3.89	14103	9479	9396	6315	485	385	600	475
35kV 133% to ICEA Standard												
1/0 AWG	10.67/420	3.56/140	83.8	3.30	7168	4818	6142	4128	210	165	240	185
2/0 AWG	10.67/420	3.56/140	85.9	3.38	7839	5269	6595	4433	235	185	275	215
3/0 AWG	10.67/420	3.56/140	88.4	3.48	8594	5776	7011	4712	270	210	315	245
4/0 AWG	10.67/420	3.56/140	91.4	3.60	9518	6397	7527	5059	305	240	360	285
250 MCM	10.67/420	3.56/140	94.2	3.71	10342	6951	7997	5375	335	265	400	315
350 MCM	10.67/420	3.56/140	100.6	3.96	12511	8409	9210	6190	400	315	490	385



Caledonian Medium Voltage Cables

Three Conductor GSIA

5kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.29/90	2.03/80	36.8	1.45	2239	1505	1846	1241	110	86	115	90
2 AWG	2.29/90	2.03/80	39.6	1.56	2748	1847	2123	1427	145	110	154	120
1 AWG	2.29/90	2.03/80	42.2	1.66	3132	2105	2342	1574	165	130	180	140
1/0 AWG	2.29/90	2.03/80	44.5	1.75	3577	2404	2563	1723	190	150	205	160
2/0 AWG	2.29/90	2.80/110	47.0	1.85	4380	2944	3129	2103	220	170	240	185
3/0 AWG	2.29/90	2.80/110	49.5	1.95	5030	3381	3446	2316	250	195	280	215
4/0 AWG	2.29/90	2.80/110	52.6	2.07	5829	3918	3840	2581	285	220	320	250
250 MCM	2.29/90	2.80/110	55.4	2.18	6546	4400	4202	2824	315	245	355	280
350 MCM	2.29/90	2.80/110	61.7	2.43	8461	5687	5158	3467	380	310	440	345
500 MCM	2.29/90	2.80/110	69.1	2.72	11178	7513	6470	4349	460	365	545	430
750 MCM	2.29/90	3.56/140	79.5	3.13	15689	10545	8482	5701	570	460	685	550
1000 MCM	2.29/90	3.56/140	88.1	3.47	19821	13322	10377	6975	645	535	790	650
5kV 133% Three Conductor GSIA												
4 AWG	2.92/115	2.03/80	39.6	1.56	2444	1643	2052	1379	110	86	115	90
2 AWG	2.92/115	2.03/80	42.9	1.69	3010	2023	2386	1604	145	110	154	120
1 AWG	2.92/115	2.03/80	44.7	1.76	3356	2256	2568	1726	165	130	180	140
1/0 AWG	2.92/115	2.03/80	47.8	1.88	4033	2711	3017	2028	190	150	205	160
2/0 AWG	2.92/115	2.80/110	49.8	1.96	4635	3115	3385	2275	220	170	240	185
3/0 AWG	2.92/115	2.80/110	52.3	2.06	5295	3559	3712	2495	250	195	280	215
4/0 AWG	2.92/115	2.80/110	55.4	2.18	6106	4104	4117	2767	285	220	320	250
250 MCM	2.92/115	2.80/110	58.2	2.29	6834	4593	4489	3017	315	245	355	280
350 MCM	2.92/115	2.80/110	64.3	2.53	8774	5897	5472	3678	380	310	440	345
500 MCM	2.92/115	2.80/110	71.9	2.83	11519	7742	6811	4578	460	365	545	430
750 MCM	2.92/115	3.56/140	82.3	3.24	16073	10803	8866	5959	570	460	685	550
1000 MCM	2.92/115	3.56/140	90.9	3.58	20236	13601	10793	7254	645	535	790	650

Addison Medium Voltage Cables



8kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
4 AWG	2.92/115	2.03/80	39.6	1.56	2444	1643	2052	1379	125	96	135	105
2 AWG	2.92/115	2.03/80	42.9	1.69	3010	2023	2386	1604	160	125	185	145
1 AWG	2.92/115	2.03/80	44.7	1.76	3356	2256	2568	1726	185	145	210	165
1/0 AWG	2.92/115	2.80/110	47.8	1.88	4033	2711	3017	2028	210	165	240	185
2/0 AWG	2.92/115	2.80/110	49.8	1.96	4635	3115	3385	2275	235	185	275	215
3/0 AWG	2.92/115	2.80/110	52.3	2.06	5295	3559	3712	2495	270	210	315	245
4/0 AWG	2.92/115	2.80/110	55.4	2.18	6106	4104	4117	2767	305	240	360	285
250 MCM	2.92/115	2.80/110	58.2	2.29	6834	4593	4489	3017	335	265	400	315
350 MCM	2.92/115	2.80/110	64.3	2.53	8774	5897	5472	3678	400	315	490	385
500 MCM	2.92/115	3.56/140	71.9	2.83	11519	7742	6811	4578	485	385	600	475
750 MCM	2.92/115	3.56/140	82.3	3.24	16073	10803	8866	5959	585	475	745	600
1000 MCM	2.92/115	3.56/140	90.9	3.58	20236	13601	10793	7254	660	545	860	705
8kV 133% Three Conductor GSIA												
2 AWG	3.56/140	2.03/80	45.7	1.80	3239	2177	2616	1758	160	125	185	145
1 AWG	3.56/140	2.80/110	48.3	1.90	3816	2565	3028	2035	185	145	210	165
1/0 AWG	3.56/140	2.80/110	50.5	1.99	4292	2885	3275	2201	210	165	240	185
2/0 AWG	3.56/140	2.80/110	52.6	2.07	4901	3294	3651	2454	235	185	275	215
3/0 AWG	3.56/140	2.80/110	55.1	2.17	5570	3744	3987	2680	270	210	315	245
4/0 AWG	3.56/140	2.80/110	58.2	2.29	6395	4298	4404	2960	305	240	360	285
250 MCM	3.56/140	2.80/110	61.7	2.43	7232	4861	4889	3286	335	265	400	315
350 MCM	3.56/140	2.80/110	67.1	2.64	9096	6114	5795	3895	400	315	490	385
500 MCM	3.56/140	3.56/140	74.7	2.94	11871	7979	7164	4815	485	385	600	475
750 MCM	3.56/140	3.56/140	85.1	3.35	16467	11068	9259	6223	585	475	745	600
1000 MCM	3.56/140	3.56/140	93.5	3.68	20661	13887	11220	7541	660	545	860	705



Caledonian Medium Voltage Cables

15kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/ mils)	Sheath Thickness (mm/ mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
2 AWG	4.45/175	2.80/110	50.3	1.98	3812	2562	3188	2143	160	125	185	145
1 AWG	4.45/175	2.80/110	52.1	2.05	4184	2812	3395	2282	185	145	210	165
1/0 AWG	4.45/175	2.80/110	54.4	2.14	4672	3140	3653	2455	210	165	240	185
2/0 AWG	4.45/175	2.80/110	56.4	2.22	5291	3556	4042	2717	235	185	275	215
3/0 AWG	4.45/175	2.80/110	58.9	2.32	5974	4015	4391	2951	270	210	315	245
4/0 AWG	4.45/175	2.80/110	62.7	2.47	6917	4649	4928	3312	305	240	360	285
250 MCM	4.45/175	2.80/110	65.5	2.58	7674	5158	5329	3582	335	265	400	315
350 MCM	4.45/175	3.56/140	71.9	2.83	9680	6506	6378	4287	400	315	490	385
500 MCM	4.45/175	3.56/140	78.5	3.09	12382	8322	7674	5158	485	385	600	475
750 MCM	4.45/175	3.56/140	88.9	3.50	17035	11450	9828	6606	585	475	745	600
1000 MCM	4.45/175	3.56/140	98.3	3.87	21421	14398	11980	8052	660	545	860	705
15kV 133% Three Conductor GSIA												
2 AWG	5.59/220	2.80/110	55.4	2.18	4303	2892	3678	2472	160	125	185	145
1 AWG	5.59/220	2.80/110	57.2	2.25	4687	3150	3898	2620	185	145	210	165
1/0 AWG	5.59/220	2.80/110	59.4	2.34	5189	3488	4169	2802	210	165	240	185
2/0 AWG	5.59/220	2.80/110	62.0	2.44	5924	3982	4678	3144	235	185	275	215
3/0 AWG	5.59/220	2.80/110	64.5	2.54	6630	4456	5047	3392	270	210	315	245
4/0 AWG	5.59/220	2.80/110	67.8	2.67	7496	5038	5506	3701	305	240	360	285
250 MCM	5.59/220	2.80/110	71.4	2.81	8382	5634	6039	4059	335	265	400	315
350 MCM	5.59/220	3.56/140	76.7	3.02	10321	6937	7019	4718	400	315	490	385
500 MCM	5.59/220	3.56/140	83.8	3.30	13161	8846	8454	5682	485	385	600	475
750 MCM	5.59/220	3.56/140	94.0	3.70	17797	11962	10589	7117	585	475	745	600
1000 MCM	5.59/220	3.56/140	103.1	4.06	22249	14954	12806	8607	660	545	860	705

Addison Medium Voltage Cables



25kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1 AWG	6.60/260	2.80/110	62.2	2.45	5264	3538	4475	3008	185	145	210	165
1/0 AWG	6.60/260	2.80/110	64.5	2.54	5785	3888	4762	3201	210	165	240	185
2/0 AWG	6.60/260	2.80/110	66.5	2.62	6432	4323	5186	3486	235	185	275	215
3/0 AWG	6.60/260	2.80/110	69.9	2.75	7263	4882	5680	3818	270	210	315	245
4/0 AWG	6.60/260	3.56/140	72.9	2.87	8153	5480	6163	4142	305	240	360	285
250 MCM	6.60/260	3.56/140	75.7	2.98	8948	6014	6603	4438	335	265	400	315
350 MCM	6.60/260	3.56/140	81.5	3.21	11010	7400	7708	5181	400	315	490	385
500 MCM	6.60/260	3.56/140	88.1	3.47	13805	9279	9098	6115	485	385	600	475
750 MCM	6.60/260	3.56/140	99.1	3.90	18650	12535	11443	7691	585	475	745	600
25kV 133% Three Conductor GSIA												
1/0 AWG	8.76/345	3.56/140	74.9	2.95	7075	4755	6048	4065	210	165	240	185
2/0 AWG	8.76/345	3.56/140	77.0	3.03	7750	5209	6506	4373	235	185	275	215
3/0 AWG	8.76/345	3.56/140	79.5	3.13	8509	5719	6926	4655	270	210	315	245
4/0 AWG	8.76/345	3.56/140	83.1	3.27	9531	6406	7540	5068	305	240	360	285
250 MCM	8.76/345	3.56/140	85.6	3.37	10364	6966	8019	5390	335	265	400	315
350 MCM	8.76/345	3.56/140	91.2	3.59	12416	8345	9113	6125	400	315	490	385
500 MCM	8.76/345	3.56/140	98.6	3.88	15445	10381	10738	7217	485	385	600	475



Caledonian Medium Voltage Cables

35kV 100% Three Conductor GSIA												
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Overall Diameter (mm / in.)		Cable Weight (kg/km / lbs/kft)				Ampacity (Amps)			
									90°C In Duct		90°C In Air	
			(D)		CU		AL		CU	AL	CU	AL
1/0 AWG	8.76/345	3.56/140	74.9	2.95	7075	4755	6048	4065	210	165	240	185
2/0 AWG	8.76/345	3.56/140	77.0	3.03	7750	5209	6506	4373	235	185	275	215
3/0 AWG	8.76/345	3.56/140	79.5	3.13	8509	5719	6926	4655	270	210	315	245
4/0 AWG	8.76/345	3.56/140	83.1	3.27	9531	6406	7540	5068	305	240	360	285
250 MCM	8.76/345	3.56/140	85.6	3.37	10364	6966	8019	5390	335	265	400	315
350 MCM	8.76/345	3.56/140	91.2	3.59	12416	8345	9113	6125	400	315	490	385
500 MCM	8.76/345	3.56/140	98.6	3.88	15445	10381	10738	7217	485	385	600	475
35kV 133% Three Conductor GSIA												
1/0 AWG	10.67/420	3.56/140	83.6	3.29	8290	5572	7261	4880	210	165	240	185
2/0 AWG	10.67/420	3.56/140	85.6	3.37	8991	6043	7749	5208	235	185	275	215
3/0 AWG	10.67/420	3.56/140	88.1	3.47	9782	6575	8198	5510	270	210	315	245
4/0 AWG	10.67/420	3.56/140	91.2	3.59	10751	7226	8760	5888	305	240	360	285
250 MCM	10.67/420	3.56/140	94.0	3.70	11615	7807	9271	6231	335	265	400	315
350 MCM	10.67/420	3.56/140	100.3	3.95	13878	9328	10577	7109	400	315	490	385

Addison Medium Voltage Cables



AIA ARMoured 3C

5kV 100% 133% Copper Three Conductor									
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)		Ampacity (Amps)
									90°C
					(D)				
6 AWG	2.29/90	2.03/80	35.97	1.42	38.30	1.51	1625	2418	65
4 AWG	2.29/90	2.03/80	38.43	1.51	41.22	1.62	1963	2921	105
2 AWG	2.29/90	2.03/80	41.45	1.63	44.24	1.74	2482	3693	140
1 AWG	2.29/90	2.03/80	43.15	1.69	45.94	1.81	2798	4163	160
1/0 AWG	2.29/90	2.80/110	46.05	1.81	48.84	1.92	3325	4947	185
2/0 AWG	2.29/90	2.80/110	49.77	1.96	52.56	2.07	3981	5923	215
3/0 AWG	2.29/90	2.80/110	52.55	2.07	55.35	2.18	4672	6951	250
4/0 AWG	2.29/90	2.80/110	55.41	2.18	58.20	2.29	5422	8067	285
250 MCM	2.29/90	2.80/110	58.31	2.30	61.72	2.43	6195	9217	320
350 MCM	2.29/90	2.80/110	63.58	2.50	66.98	2.64	7901	11755	395
500 MCM	2.29/90	2.80/110	70.16	2.76	73.57	2.90	10318	15351	485
750 MCM	2.29/90	3.56/140	85.83	3.38	89.74	3.53	15213	22634	615
1000 MCM	2.29/90	3.56/140	94.28	3.71	98.19	3.87	19443	28927	705



Caledonian Medium Voltage Cables

8kV 100% Three Conduct									
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)		Ampacity (Amps)
									90°C
					(D)				
4 AWG	2.92/115	2.03/80	41.01	1.61	43.80	1.72	2126	3163	120
2 AWG	2.92/115	2.03/80	44.79	1.76	47.58	1.87	2781	4138	165
1 AWG	2.92/115	2.03/80	46.49	1.83	49.29	1.94	3110	4627	185
1/0 AWG	2.92/115	2.80/110	50.21	1.98	53.00	2.09	3703	5509	215
2/0 AWG	2.92/115	2.80/110	52.55	2.07	55.35	2.18	4212	6267	245
3/0 AWG	2.92/115	2.80/110	55.19	2.17	57.98	2.28	4907	7301	285
4/0 AWG	2.92/115	2.80/110	58.04	2.29	61.44	2.42	5751	8556	325
250 MCM	2.92/115	2.80/110	61.06	2.40	64.46	2.54	6471	9628	360
350 MCM	2.92/115	2.80/110	66.32	2.61	69.73	2.75	8204	12206	435
500 MCM	2.92/115	3.56/140	73.89	2.91	77.30	3.04	10768	16021	535
750 MCM	2.92/115	3.56/140	88.79	3.50	92.70	3.65	15691	23345	670
1000 MCM	2.92/115	3.56/140	97.23	3.83	101.15	3.98	19987	29737	770
8kV 133% Three Conductor									
2 AWG	3.56/140	2.03/80	47.64	1.88	50.44	1.99	3163	4706	165
1 AWG	3.56/140	2.80/110	51.07	2.01	53.87	2.12	4138	6157	185
1/0 AWG	3.56/140	2.80/110	53.21	2.09	56.00	2.20	4627	6884	215
2/0 AWG	3.56/140	2.80/110	55.41	2.18	58.20	2.29	5509	8196	245
3/0 AWG	3.56/140	2.80/110	58.04	2.29	61.44	2.42	6267	9324	285
4/0 AWG	3.56/140	2.80/110	60.89	2.40	64.30	2.53	7301	10862	325
250 MCM	3.56/140	2.80/110	63.91	2.52	67.31	2.65	8556	12730	360
350 MCM	3.56/140	2.80/110	69.18	2.72	72.58	2.86	9628	14325	435
500 MCM	3.56/140	3.56/140	78.53	3.09	82.44	3.25	12206	18160	535
750 MCM	3.56/140	3.56/140	91.64	3.61	95.55	3.76	16021	23836	670
1000 MCM	3.56/140	3.56/140	100.09	3.94	104.00	4.09	23345	34733	770



15kV 100% Three Conductor									
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)		Ampacity (Amps)
									90°C
2 AWG	4.5/175	2.80/110	53.21	2.09	56.00	2.20	3437	5114	165
1 AWG	4.5/175	2.80/110	54.91	2.16	57.71	2.27	3782	5627	185
1/0 AWG	4.5/175	2.80/110	57.05	2.25	60.46	2.38	4298	6395	215
2/0 AWG	4.5/175	2.80/110	59.25	2.33	62.65	2.47	4817	7167	245
3/0 AWG	4.5/175	2.80/110	61.88	2.44	65.28	2.57	5533	8232	285
4/0 AWG	4.5/175	2.80/110	64.73	2.55	68.14	2.68	6319	9401	325
250 MCM	4.5/175	2.80/110	67.75	2.67	71.15	2.80	7059	10502	360
350 MCM	4.5/175	3.56/140	74.00	2.91	77.41	3.05	8934	13292	435
500 MCM	4.5/175	3.56/140	82.37	3.24	86.28	3.40	11878	17672	535
750 MCM	4.5/175	3.56/140	945.48	37.22	99.39	3.91	16486	24528	670
1000 MCM	4.5/175	3.56/140	105.02	4.13	108.94	4.29	21016	31268	770
15kV 133% Three Conductor									
2 AWG	5.6/220	2.80/110	58.26	2.29	61.66	2.43	3912	5820	165
1 AWG	5.6/220	2.80/110	59.96	2.36	63.36	2.49	4268	6350	185
1/0 AWG	5.6/220	2.80/110	62.10	2.44	65.50	2.58	4717	7018	215
2/0 AWG	5.6/220	2.80/110	64.29	2.53	67.70	2.67	5247	7807	245
3/0 AWG	5.6/220	2.80/110	66.93	2.64	70.33	2.77	5976	8891	285
4/0 AWG	5.6/220	2.80/110	69.78	2.75	73.18	2.88	6776	10081	325
250 MCM	5.6/220	2.80/110	72.80	2.87	76.20	3.00	7531	11205	360
350 MCM	5.6/220	3.56/140	80.83	3.18	84.74	3.34	9867	14680	435
500 MCM	5.6/220	3.56/140	87.41	3.44	91.33	3.60	12441	18510	535
750 MCM	5.6/220	3.56/140	100.53	3.96	104.44	4.11	17115	25464	670



Caledonian Medium Voltage Cables

25kV 100% Three Conductor									
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)		Ampacity (Amps)
									90°C
1 AWG	6.6/260	2.80/110	64.46	2.54	67.86	2.67	4653	6923	185
1/0 AWG	6.6/260	2.80/110	66.60	2.62	70.00	2.76	5112	7606	215
2/0 AWG	6.6/260	2.80/110	68.79	2.71	72.20	2.84	5652	8409	245
3/0 AWG	6.6/260	2.80/110	71.43	2.81	74.83	2.95	6392	9510	285
4/0 AWG	6.6/260	3.56/140	75.27	2.96	78.67	3.10	7314	10882	325
250 MCM	6.6/260	3.56/140	80.06	3.15	83.97	3.31	8510	12661	360
350 MCM	6.6/260	3.56/140	85.33	3.36	89.24	3.51	10362	15417	435
500 MCM	6.6/260	3.56/140	91.91	3.62	95.82	3.77	12693	18885	535
750 MCM	6.6/260	3.56/140	106.12	4.18	110.03	4.33	17862	26575	670
25kV 133% Three Conductor									
1 AWG	8.1/320	3.56/140	71.32	2.81	74.73	2.94	5243	7801	185
1/0 AWG	8.1/320	3.56/140	74.39	2.93	77.79	3.06	5855	8711	215
2/0 AWG	8.1/320	3.56/140	78.36	3.09	82.27	3.24	6827	10157	245
3/0 AWG	8.1/320	3.56/140	80.99	3.19	84.91	3.34	7602	11310	285
4/0 AWG	8.1/320	3.56/140	83.85	3.30	87.76	3.46	8452	12575	325
250 MCM	8.1/320	3.56/140	86.86	3.42	90.78	3.57	9260	13777	360
350 MCM	8.1/320	3.56/140	92.13	3.63	96.04	3.78	11147	16585	435
500 MCM	8.1/320	3.56/140	97.72	3.85	102.63	4.04	13794	20523	535

Addison Medium Voltage Cables



28kV 100% Three Conductor									
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)		Ampacity (Amps)
									90°C
1 AWG	7.1/280	2.80/110	66.76	2.63	70.17	2.76	4858	3264.43	185
1/0 AWG	7.1/280	2.80/110	68.90	2.71	72.31	2.85	5322	3576.22	215
2/0 AWG	7.1/280	2.80/110	71.10	2.80	74.50	2.93	5866	3941.77	245
3/0 AWG	7.1/280	2.80/110	74.72	2.94	78.12	3.08	6722	4516.98	285
4/0 AWG	7.1/280	3.56/140	79.35	3.12	83.26	3.28	7965	5352.23	325
250 MCM	7.1/280	3.56/140	82.37	3.24	86.28	3.40	8759	5885.78	360
350 MCM	7.1/280	3.56/140	87.63	3.45	91.54	3.60	10625	7139.67	435
500 MCM	7.1/280	3.56/140	94.22	3.71	98.13	3.86	13241	8897.54	535
28kV 133% Copper Single Conductor									
1 AWG	8.8/345	3.56/140	75.21	2.96	78.62	3.10	5667	3808.05	185
1/0 AWG	8.8/345	3.56/140	79.13	3.12	83.04	3.27	6568	4413.49	215
2/0 AWG	8.8/345	3.56/140	81.32	3.20	85.24	3.36	7143	4799.87	245
3/0 AWG	8.8/345	3.56/140	83.96	3.31	87.87	3.46	7926	5326.03	285
4/0 AWG	8.8/345	3.56/140	86.81	3.42	90.72	3.57	8784	5902.58	325
250 MCM	8.8/345	3.56/140	89.83	3.54	93.74	3.69	9601	6451.57	360
350 MCM	8.8/345	3.56/140	95.09	3.74	99.01	3.90	11504	7730.33	435
500 MCM	8.8/345	3.56/140	101.68	4.00	105.59	4.16	14170	9521.80	535



Caledonian Medium Voltage Cables

35kV 100% Three Conductor									
Conductor	Insulation Thickness (mm/mils)	Sheath Thickness (mm/mils)	Armour Diameter (mm/in)		Overall Diameter (mm/in.)		Cable Weight (kg/km / lbs/kft)		Ampacity (Amps)
									90°C
1/0 AWG	8.8/345	3.56/140	79.13	3.12	83.04	3.27	6568	4413.49	215
2/0 AWG	8.8/345	3.56/140	81.32	3.20	85.24	3.36	7143	4799.87	245
3/0 AWG	8.8/345	3.56/140	83.96	3.31	87.87	3.46	7926	5326.03	285
4/0 AWG	8.8/345	3.56/140	86.81	3.42	90.72	3.57	8784	5902.58	325
250 MCM	8.8/345	3.56/140	89.83	3.54	93.74	3.69	9601	6451.57	360
350 MCM	8.8/345	3.56/140	95.09	3.74	99.01	3.90	11504	7730.33	435
500 MCM	8.8/345	3.56/140	101.68	4.00	105.59	4.16	14170	9521.80	535
35kV 133% Three Conductor									
1/0 AWG	10.7/420	3.56/140	87.69	3.45	91.6	3.61	7510	5046.49	215
2/0 AWG	10.7/420	3.56/140	89.88	3.54	93.79	3.69	8105	5446.31	245
3/0 AWG	10.7/420	3.56/140	92.52	3.64	96.43	3.80	8910	5987.24	285
4/0 AWG	10.7/420	3.56/140	95.37	3.75	99.28	3.91	9793	6580.59	325
250 MCM	10.7/420	3.56/140	98.39	3.87	102.30	4.03	10634	7145.72	360
350 MCM	10.7/420	3.56/140	104.75	4.12	108.66	4.28	12745	8564.24	435



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