

Caledonian Cables Manufacture

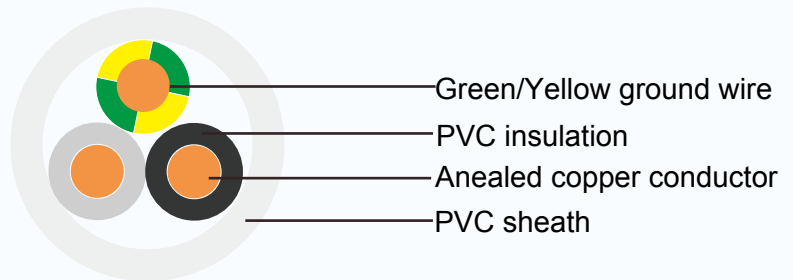
VVR-GRD

Application and Description:

For exposed wiring in air or use raceway, dry location.

Reference Standard:

TIS 11-2531



Cable Construction:

Conductor: Solid and stranded annealed copper, Sizes: 1 mm² up to 35 mm²

Insulation: Polyvinyl chloride (PVC)

Color : Light grey, Black, Ground core:Green/Yellow

Sheath: Polyvinyl chloride (PVC), white color

Technical Characteristics:

Maximum conductor temperature 70°C

Circuit voltage not exceeding 750 volts

Test voltage 2500 volts

Cable Parameter:

No. of core	Conductor			Ground Conductor			Thick-ness of Sheath	Overall diameter	Maximum continuous current rating in free air	Minimum insulation resistance (at 70°C)	Cable weight
	Size	No.& dia. of wires	Thickness of insulation	Size	No.& dia. of wires	Thickness of insulation					
	mm ²	No./mm	mm	mm ²	No./mm	mm					
2+1	1	1/1.13	0.6	1	1/1.13	0.6	0.9	8	15	0.0115	80
2+1	1	7/0.40	0.6	1	7/0.40	0.6	0.9	8.4	15	0.011	80
2+1	1.5	1/1.38	0.6	1	1/1.13	0.6	1.2	9.2	20	0.01	100
2+1	1.5	7/0.50	0.6	1	7/0.40	0.6	1.2	9.6	20	0.0094	100
2+1	2.5	1/1.78	0.7	1.5	1/1.38	0.6	1.2	10.5	25	0.0092	140
2+1	2.5	7/0.67	0.7	1.5	7/0.50	0.6	1.2	11.5	25	0.0084	140
2+1	4	1/2.25	0.8	2.5	1/1.78	0.6	1.2	12.5	33	0.0086	200





Addison Cables to JIS/TIS Standard

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No. of core	Conductor			Ground Conductor			Thick-ness of Sheath	Overall diameter	Maximum continuous current rating in free air	Minimum insulation resistance (at 70°C)	Cable weight
	Size	No. & dia. of wires	Thickness of insulation	Size	No. & dia. of wires	Thickness of insulation					
	mm ²	No./mm	mm	mm ²	No./mm	mm					
							mm	mm	A	Mohm-km	kg/km
2+1	4	7/0.85	0.8	2.5	7/0.67	0.6	1.2	13	33	0.0078	200
2+1	6	7/1.04	0.8	4	7/0.85	0.6	1.2	14.5	45	0.0066	290
2+1	10	7/1.35	0.9	4	7/0.85	0.6	1.2	16	62	0.0059	410
2+1	16	7/1.70	1	6	7/1.04	0.6	1.4	19	81	0.0053	610
2+1	25	7/2.14	1.2	6	7/1.04	0.6	1.4	22.5	109	0.0051	880
2+1	35	19/1.53	1.2	10	7/1.35	0.6	1.4	25.5	134	0.0043	1176
3+1	1	1/1.13	0.6	1	1/1.13	0.6	0.9	8.6	13	0.0115	95
3+1	1	7/0.40	0.6	1	7/0.40	0.6	0.9	9	13	0.011	95
3+1	1.5	1/1.38	0.6	1	1/1.13	0.6	1.2	10	17	0.01	130
3+1	1.5	7/0.50	0.6	1	7/0.40	0.6	1.2	10.5	17	0.0094	130
3+1	2.5	1/1.78	0.7	1.5	1/1.38	0.6	1.2	11.5	21	0.0092	180
3+1	2.5	7/0.67	0.7	1.5	7/0.50	0.6	1.2	12.5	21	0.0084	180
3+1	4	1/2.25	0.8	2.5	1/1.78	0.6	1.2	13.5	30	0.0086	260
3+1	4	7/0.85	0.8	2.5	7/0.67	0.6	1.2	14	30	0.0078	260
3+1	6	7/1.04	0.8	4	7/0.85	0.6	1.2	15.5	38	0.0066	370
3+1	10	7/1.35	0.9	4	7/0.85	0.6	1.2	18.5	53	0.0059	530
3+1	16	7/1.70	1	6	7/1.04	0.6	1.4	22	71	0.0053	800
3+1	25	7/2.14	1.2	6	7/1.04	0.6	1.8	27.5	93	0.0051	1220
3+1	35	19/1.53	1.2	10	7/1.35	0.6	1.8	30.5	113	0.0043	1610
4+1	1	1/1.13	0.6	1	1/1.13	0.6	0.9	9.2	12	0.0115	110
4+1	1	7/0.40	0.6	1	7/0.40	0.6	0.9	9.8	12	0.011	110
4+1	1.5	1/1.38	0.6	1	1/1.13	0.6	1.2	11	15	0.01	150
4+1	1.5	7/0.50	0.6	1	7/0.40	0.6	1.2	11.5	15	0.0094	150
4+1	2.5	1/1.78	0.7	1.5	1/1.38	0.6	1.2	12.5	19	0.0092	220
4+1	2.5	7/0.67	0.7	1.5	7/0.50	0.6	1.2	13.5	19	0.0084	220
4+1	4	1/2.25	0.8	2.5	1/1.78	0.6	1.2	14.5	27	0.0086	330
4+1	4	7/0.85	0.8	2.5	7/0.67	0.6	1.2	15.5	27	0.0078	330
4+1	6	7/1.04	0.8	4	7/0.85	0.6	1.2	17	37	0.0066	470
4+1	10	7/1.35	0.9	4	7/0.85	0.6	1.4	20.5	49	0.0059	700
4+1	16	7/1.70	1	6	7/1.04	0.6	1.4	24.5	64	0.0053	1030
4+1	25	7/2.14	1.2	6	7/1.04	0.6	1.8	30	84	0.0051	1570
4+1	35	19/1.53	1.2	10	7/1.35	0.6	1.8	33.5	102	0.0043	2070