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Application and Description

These cables are for energy transport and signal transmission both in internal and external environments, wet as well. For fixed lay in free air, in pipe or channel, on walling and metallic frames, or suspended. The use of armoured cables is recommended whenever conditions are such that mechanical shocks might occur, the main feature is protection against strikes and rodents. Also appropriate for direct or indirect ground lay.

Standard and Approval

CEI 20-11, CEI 20-34/0-1, IEC 60502-1, IEC 60332.1, IEC60332.3.A, IEC60228, IEC60754

Cable Construction

- Flexible bare copper strands
- Strands to IEC 60228 Class-5
- PVC insulation R2 type
- Colour coded to VDE 0293-308
- Not fibrous and not hygroscopic fire retardant PVC filler
- Galvanized steel braid with minimum coverage 85%
- Oil and fire retardant transparent PVC TM2 outer jacket

Technical Characteristics

- Working voltage: 450/750 V
- Test voltage: 2500 V
- Minimum bending radius: 8 x Ø
- Fixed installation temperature : -15º C to + 70º C
- Flexible installation temperature : 0º C to + 70º C
- Short circuit temperature: +160º C
- Flame retardant: CEI20-22/2
- Oil retardant: CEI 20-34/0-1
- No flame propagation CEI EN 50265-2-1(CEI EN 60332-1-2)
- Insulation resistance: 20 MΩ x km

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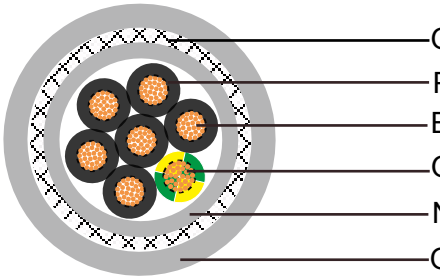

Galvanized steel braid
PVC insulation
Bare copper conductor
Green/Yellow wire
Not fibrous and not hygroscopic PVC filler
Oil and fire retardant PVC sheath

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Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	Nominal Overall Diameter mm	Nominal Weight kg/Km	AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	Nominal Overall Diameter mm	Nominal Weight kg/Km
20(16/32)	2 x 0.5	7.1	52	16(30/30)	10 x 1.5	15.6	465
20(16/32)	3 x 0.5	7.3	64	16(30/30)	12 x 1.5	16.3	495
20(16/32)	4 x 0.5	8.0	81	16(30/30)	16 x 1.5	17.7	550
20(16/32)	5 x 0.5	8.4	96	16(30/30)	24 x 1.5	21.4	750
20(16/32)	7 x 0.5	8.9	118	14(50/30)	2 x 2.5	10.7	210
20(16/32)	10 x 0.5	10.9	210	14(50/30)	3 x 2.5	11.2	240
20(16/32)	12 x 0.5	11.3	230	14(50/30)	4 x 2.5	12.4	270
20(16/32)	16 x 0.5	12.6	260	14(50/30)	5 x 2.5	13.3	340
20(16/32)	24 x 0.5	15.2	425	14(50/30)	7 x 2.5	15.1	450
18(24/32)	2 x 0.75	7.7	70	14(50/30)	10 x 2.5	18.2	590
18(24/32)	3 x 0.75	8.0	88	14(50/30)	12 x 2.5	19.0	630
18(24/32)	4 x 0.75	8.7	108	14(50/30)	16 x 2.5	21.3	750
18(24/32)	5 x 0.75	9.2	128	14(50/30)	24 x 2.5	24.9	1190
18(24/32)	7 x 0.75	10.2	190	12(56/28)	2 x 4	12.7	270
18(24/32)	10 x 0.75	12.5	255	12(56/28)	3 x 4	13.3	310
18(24/32)	12 x 0.75	13.0	290	12(56/28)	4 x 4	15.1	400
18(24/32)	16 x 0.75	14.0	350	12(56/28)	5 x 4	16.3	480
18(24/32)	24 x 0.75	16.9	497	10(84/28)	2 x 6	14.1	390
17(32/32)	2 x 1	8.1	105	10(84/28)	3 x 6	15.4	445
17(32/32)	3 x 1	8.4	120	10(84/28)	4 x 6	16.6	580
17(32/32)	4 x 1	9.0	137	10(84/28)	5 x 6	17.9	700
17(32/32)	5 x 1	10.2	198	8(80/26)	2 x 10	17.5	640
17(32/32)	7 x 1	10.8	220	8(80/26)	3 x 10	18.6	700
17(32/32)	10 x 1	13.3	340	8(80/26)	4 x 10	20.4	860
17(32/32)	12 x 1	14.0	400	4(200/26)	5 x 10	22.5	1080
17(32/32)	16 x 1	15.8	490	6(128/26)	2 x 16	19.9	950
17(32/32)	24 x 1	18.1	510	6(128/26)	3 x 16	21.6	1130
16(30/30)	2 x 1.5	9.1	135	6(128/26)	4 x 16	23.4	1360
16(30/30)	3 x 1.5	9.9	170	4(200/26)	2 x 25	23.9	1450
16(30/30)	4 x 1.5	10.6	200	4(200/26)	3 x 25	25.2	1675
16(30/30)	5 x 1.5	11.3	235	4(200/26)	4 x 25	27.5	1910
16(30/30)	7 x 1.5	12.5	275				