

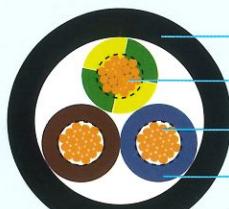
Multi-Core PVC and Rubber Cables

318Y to BS 6500

Application and Description

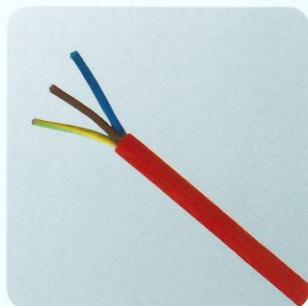
These cables are suited for medium mechanical stress in damp and wet environments such as refrigerators, washing machines, spin dryers and other appliances, as long as it meets applicable equipment specifications. These cables are also suited for cooking and heating apparatus, provided that the cable does not come into direct contact with the hot parts of the apparatus or with any other heat source. Further applications of this cable include: Fixed installation in furniture, partition walls, decorative covering, and in the hollow spaces of prefabricated building parts. They are not suitable for outdoor use, industrial (except clothing manufacture) or farming applications. 318Y is equivalent to harmonized code H05VV-F.

Cable Construction



3183Y

- PVC outer sheath
- Green/Yellow wire
- Bare copper conductor
- PVC insulation



3183Y

- 1, Bare copper fine wire conductor
- 2, Stranding to BS 6360 Class 5 or IEC 60228 Class 5
- 3, PVC core insulation TI2 to BS 7655
- 4, Green/Yellow grounding (3 conductors and above)
- 5, PVC outer sheath TM2 to BS 7655

Core Identification

- 2 Cores: Blue, Brown
- 3 Cores: Green/Yellow, Blue, Brown
- 4 Cores: Green/Yellow, Brown, Black, Grey
- 5 Cores: Green/Yellow, Brown, Black, Grey, Blue

Technical Characteristics

- 1, Working voltage: 300/500 Volts
- 2, Test voltage: 2000 Volts
- 3, Flexing bending radius: $7.5 \times$ Overall diameter
- 4, Static bending radius: $4 \times$ Overall diameter
- 5, Working temperature: -15°C to $+70^{\circ}\text{C}$
- 6, Short circuit temperature: $+160^{\circ}\text{C}$
- 7, Flame retardant: IEC 60332.1
- 8, Insulation resistance: $20\text{M}\Omega \cdot \text{km}$

Multi-Core PVC and Rubber Cables

Cable Parameter

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Max.DC Resistance at 20°C Ω/km	Approx. Weight kg/km
3182Y						
18(24/32)	2×0.75	0.6	0.8	6.4	26.0	57
17(32/32)	2×1.0	0.6	0.8	6.8	19.5	65
16(30/30)	2×1.5	0.7	0.8	7.7	13.3	87
14(30/50)	2×2.5	0.8	1.0	9.4	7.98	134
12(56/28)	2×4	0.8	1.1	10.7	4.95	174
3183Y						
18(24/32)	3×0.75	0.6	0.8	6.8	26.0	68
17(32/32)	3×1.0	0.6	0.8	7.3	19.5	79
16(30/30)	3×1.5	0.7	0.9	8.5	13.3	111
14(30/50)	3×2.5	0.8	1.1	10.2	7.98	169
12(56/28)	3×4	0.8	1.2	11.5	4.95	233
3184Y						
18(24/32)	4×0.75	0.6	0.8	7.4	26.0	84
17(32/32)	4×1.0	0.6	0.9	8.0	19.5	101
16(30/30)	4×1.5	0.7	1.0	9.4	13.3	142
14(30/50)	4×2.5	0.8	1.1	11.2	7.98	211
12(56/28)	4×4	0.8	1.2	12.6	4.95	292
3185Y						
18(24/32)	5×0.75	0.6	0.9	8.5	26.0	106
17(32/32)	5×1.0	0.6	0.9	8.8	19.5	123
16(30/30)	5×1.5	0.7	1.1	10.5	13.3	176
14(30/50)	5×2.5	0.8	1.2	12.4	7.98	262
12(56/28)	5×4	0.8	1.4	14.2	4.95	369