

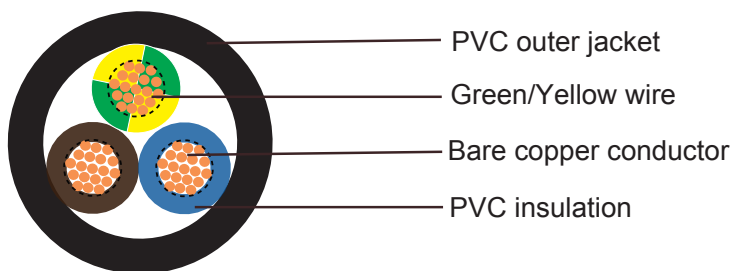


309Y to BS 6500(New BS EN 50525-2-11)

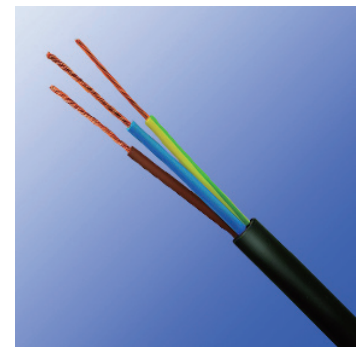
Application and Description

These cables are suitable for domestic premises, kitchen, office for light service or light portable apparatuses. With their special insulation and sheath compounds, these cables are adapted for apparatus in kitchen and heating and for use in zones with high temperature (like lighting system apparatuses) without contact with warm parts and radiations. Unsuitable for outdoor use, in industrial and agricultural buildings or non-domestic portable tools. 309Y is equivalent to harmonized code H05V2V2-F.

Cable Construction



309Y



309Y

- Bare copper fine wire conductor
- Stranding to BS CL-5 or IEC 60228 CL-5
- PVC core insulation TI3 to BS 7655
- Green/Yellow grounding (3 conductors and above)
- PVC outer jacket TM3 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

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 15xOverall diameter
- Static bending radius: 4xOverall diameter
- Flexing temperature: +5° C to +90° C
- Static temperature: -40° C to +90° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩxkm

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	Nominal Copper Weight kg/km	Nominal Weight kg/km
3092Y						
20(16/32)	2x0.50	0.6	0.8	5.6-7	9.6	46
18(24/32)	2x0.75	0.6	0.8	6-7.6	14.4	56
17(32/32)	2x1.00	0.6	0.8	6.4-8	19	65
16(30/30)	2x1.50	0.7	0.8	7.4-9	29	80
14(50/30)	2x2.50	0.8	1.0	8.9-11	48	135
3093Y						
20(16/32)	3x0.50	0.6	0.8	5.8-7.2	14.4	56
18(24/32)	3x0.75	0.6	0.8	6.4-8	21.6	61
17(32/32)	3x1.00	0.6	0.8	6.8-8.4	29	77
16(30/30)	3x1.50	0.7	0.9	8-9.8	43	108
14(50/30)	3x2.50	0.8	1.1	9.6-12	72	165
12(56/28)	3x40	0.8	1.2	10.8-13.1	115	224
3094Y						
20(16/32)	4x0.50	0.6	0.8	6.4-7.8	19	68
18(24/32)	4x0.75	0.6	0.8	6.8-8.6	29	80
17(32/32)	4x1.00	0.6	0.9	7.6-9.4	38	100
16(30/30)	4x1.50	0.7	1.0	9-11	58	140
14(50/30)	4x2.50	0.8	1.1	10.5-13	96	210
12(56/28)	4x40	0.8	1.2	11.8-14.1	154	295
3095Y						
18(24/32)	5x0.75	0.6	0.9	7.4-9.6	36	110
17(32/32)	5x1.00	0.6	0.9	8.3-10	48	130
16(30/30)	5x1.50	0.7	1.1	10-12	72	185
14(50/30)	5x2.50	0.8	1.2	11.5-14	120	265
12(56/28)	5x40	0.8	1.4	13.1-16.3	192	361