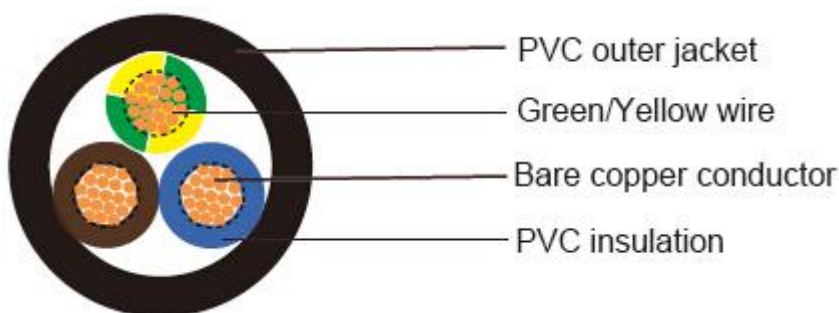


309Y to BS 6500(New BS EN 50525-2-11)

Application and Description

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



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

2Cores: Blue, Brown

3Cores: Green/Yellow, Blue, Brown

4Cores: Green/Yellow, Brown, Black, Grey

5Cores: 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 Cores x	Nominal	Nominal	Nominal	Nominal	Nominal
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(No of Strands/ Strand Diameter)	Nominal Cross Sectional Area #xmm ²	Thickness of Insulation mm	Thickness of Sheath mm	Overall Diameter mm	Copper Weight kg/km	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