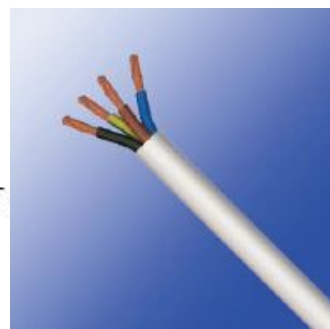
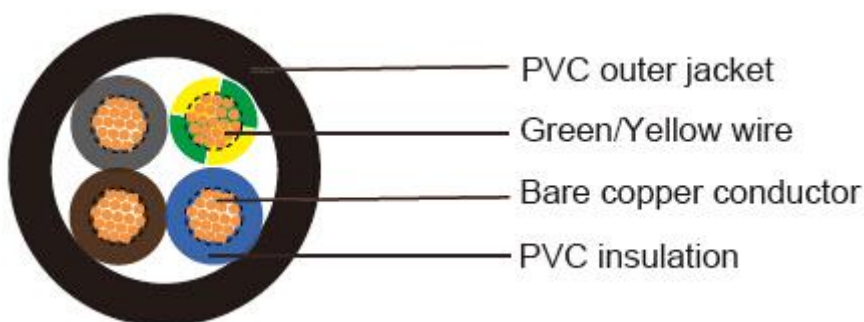


318Y to BS 6500(New BS EN 50525-2-11)

Application and Description

318Y to BS 6500(New BS EN 50525-2-11) 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. 318Y to BS 6500(New BS EN 50525-2-11) 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



Bare copper fine wire conductor

Stranding to BS 6360 CL-5 or IEC 60228 CL-5

PVC core insulation TI2 to BS 7655

Green/Yellow grounding (3 conductors and above)

PVC outer jacket TM2 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: 7.5xOverall diameter

Static bending radius: 4xOverall diameter

Flexing temperature: -5° C to +70° C

Static temperature: -40° C to +70° 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
3182Y						
18(24/32)	2x0.75	0.6	0.8	6.4	14.4	57
17(32/32)	2x1.0	0.6	0.8	6.8	19	65
16(30/30)	2x1.5	0.7	0.8	7.6	29	87
14(50/30)	2x2.5	0.8	1.0	9.2	48	134
12(56/28)	2x4.0	0.8	1.1	10.5	77	174
3183Y						
18(24/32)	3x0.75	0.6	0.8	6.8	21.6	68
17(32/32)	3x1.0	0.6	0.8	7.2	29	79
16(30/30)	3x1.5	0.7	0.9	8.2	43	111
14(50/30)	3x2.5	0.8	1.1	10.1	72	169
12(56/28)	3x4.0	0.8	1.2	11.3	115	233
3184Y						
18(24/32)	4x0.75	0.6	0.8	7.4	29	84
17(32/32)	4x1.0	0.6	0.9	8.0	38	101
16(30/30)	4x1.5	0.7	1.0	9.2	58	142
14(50/30)	4x2.5	0.8	1.1	11.2	96	211
12(56/28)	4x4.0	0.8	1.2	12.5	154	292
3185Y						
18(24/32)	5x0.75	0.6	0.9	8.5	36	106
17(32/32)	5x1.0	0.6	0.9	8.8	48	123
16(30/30)	5x1.5	0.7	1.1	10.5	72	176
14(50/30)	5x2.5	0.8	1.2	12.4	120	262
12(56/28)	5x4.0	0.8	1.4	13.7	192	369