

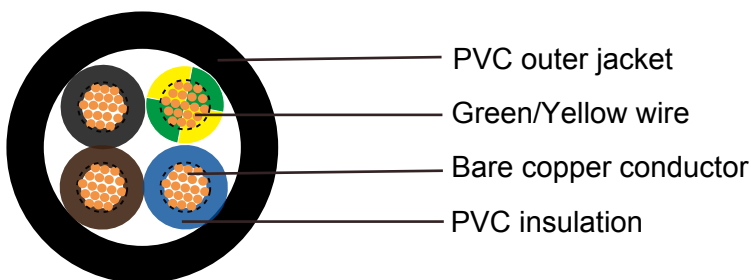


### 318Y to BS 6500

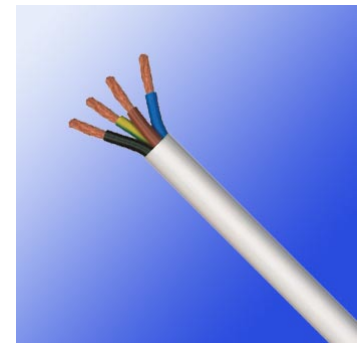
#### Application and Description

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



3184Y



3184Y

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

- 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 <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
<b>3182Y</b>						
18(24/32)	2x0.75	0.6	0.8	6.4	14.4	57
17(32/32)	2x1.00	0.6	0.8	6.8	19	65
16(30/30)	2x1.50	0.7	0.8	7.6	29	87
14(30/50)	2x2.50	0.8	1.0	9.2	48	134
12(56/28)	2x40	0.8	1.1	10.5	77	174
<b>3183Y</b>						
18(24/32)	3x0.75	0.6	0.8	6.8	21.6	68
17(32/32)	3x1.00	0.6	0.8	7.2	29	79
16(30/30)	3x1.50	0.7	0.9	8.2	43	111
14(30/50)	3x2.50	0.8	1.1	10.1	72	169
12(56/28)	3x40	0.8	1.2	11.3	115	233
<b>3184Y</b>						
18(24/32)	4x0.75	0.6	0.8	7.4	29	84
17(32/32)	4x1.00	0.6	0.9	8.0	38	101
16(30/30)	4x1.50	0.7	1.0	9.2	58	142
14(30/50)	4x2.50	0.8	1.1	11.2	96	211
12(56/28)	4x40	0.8	1.2	12.5	154	292
<b>3185Y</b>						
18(24/32)	5x0.75	0.6	0.9	8.5	36	106
17(32/32)	5x1.00	0.6	0.9	8.8	48	123
16(30/30)	5x1.50	0.7	1.1	10.5	72	176
14(30/50)	5x2.50	0.8	1.2	12.4	120	262
12(56/28)	5x40	0.8	1.4	13.7	192	369