

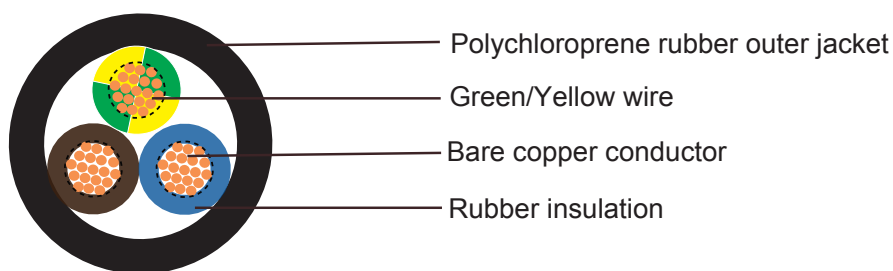


### 318TRS to BS 6500(New BS EN 50525-2-21)

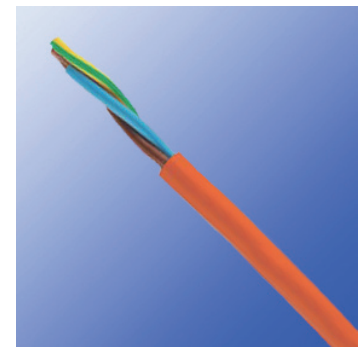
#### Application and Description

These cables are suitable for use with electronics and electrical equipment such as appliances, small hand tools and office equipment, where the cables may be subject to light and medium stresses in both dry and damp environments. They can be used in flat irons, soldering irons, kitchen aids, toasters, stoves in connections with light commercial electric tools. They are also suitable for fixed installation in furniture, decorative coverings, wall partitions and pre-fabricated building parts. 318TRS is equivalent to harmonized code H05RR-F.

#### Cable Construction



3183TRS



3183TRS

- Fine bare copper strands
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5
- Rubber core insulation EI4
- Green/Yellow grounding, 3 conductors and above
- Polychloroprene rubber (neoprene) jacket EM3

#### Core Identification

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



### Technical Characteristics

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 8xOverall diameter
- Fixed bending radius: 6xOverall diameter
- Temperature range: -30° C to +60° C
- Short circuit temperature: +200 ° 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 min-max mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
<b>3182TRS</b>						
18(24/32)	2x0.75	0.6	0.8	5.7-7.4	14.4	61
17(32/32)	2x1	0.6	0.9	6.1-8.0	19.0	73
16(30/30)	2x1.5	0.8	1.0	7.6-9.8	29.0	115
14(50/30)	2x2.5	0.9	1.1	9.0-11.6	48.0	160
<b>3183TRS</b>						
18(24/32)	3x0.75	0.6	0.9	6.2-8.1	21.6	75
17(32/32)	3x1	0.6	0.9	6.5-8.5	29.0	86
16(30/30)	3x1.5	0.8	1.0	8.0-10.4	43.0	135
14(50/30)	3x2.5	0.9	1.1	9.6-12.4	72.0	191
<b>3184TRS</b>						
18(24/32)	4x0.75	0.6	0.9	6.8-8.8	28.8	94
17(32/32)	4x1	0.6	0.9	7.1-9.3	38.4	105
16(30/30)	4x1.5	0.8	1.1	9.0-11.6	58.0	165
14(50/30)	4x2.5	0.9	1.2	10.7-13.8	96	235
<b>3185TRS</b>						
18(24/32)	5x0.75	0.6	1.0	7.6-9.9	36	110
17(32/32)	5x1	0.6	1.0	8.0-10.3	48.0	130
16(30/30)	5x1.5	0.8	1.1	9.8-12.7	72.0	190
14(50/30)	5x2.5	0.9	1.3	11.9-15.3	120	285