

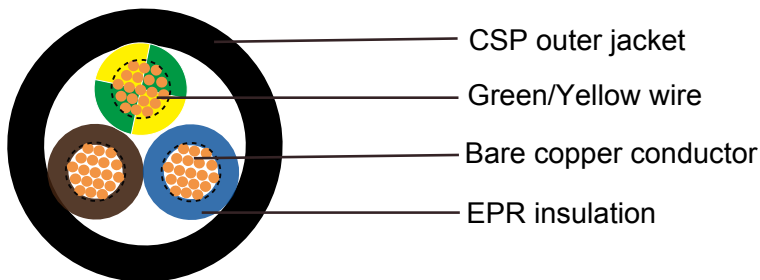


### 318TQ to BS 6500

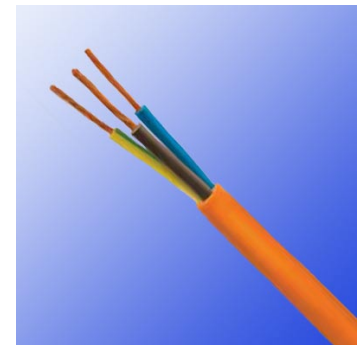
#### Application and Description

These cables can be used either in dry, humid or wet places or in contact with oil or grease, in weather conditions and under weak mechanical stress, they are suitable for power supply to small appliances in industrial plants, machine shops, heating plates, portable lamps, farming equipment etc. They are also suitable for caravans and camping equipment. 318TQ is equivalent to harmonized code H05BN4-F.

#### Cable Construction



3183TQ



3183TQ

- Fine bare copper strands
- Stranding to BS 6360 Class 5 or IEC 60228 Class 5
- EPR(Ethylene Propylene Rubber) rubber EI7 insulation
- CSP(Chlorosulphonated Polyethylene) outer jacket EM7

#### Core Identification

- 2 cores: Brown, Blue
- 3 cores: Green/Yellow, Brown, Blue
- 4 cores: Green/Yellow, Brown, Black, Grey
- 5 cores: Green/Yellow, Blue, Brown, Black, Grey
- 6 cores and above: white insulation with black numerals



### Technical Characteristics

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 6xOverall diameter
- Fixed bending radius: 4xOverall diameter
- Temperature Range: -20° C to +90° C
- Maximum short circuit temperature: +250° 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 Weight kg/km
<b>3181TQ</b>					
20(16/32)	1x0.5	0.6	0.8	3.8	19
18(24/32)	1x0.75	0.6	0.8	4	23
17(32/32)	1x1	0.6	0.8	4.2	28
16(30/30)	1x1.5	0.8	0.8	4.9	38
14(50/30)	1x2.5	0.9	0.8	5.5	41
12(56/28)	1x4	1	0.8	6.3	73
<b>3182TQ</b>					
20(16/32)	2x0.5	0.6	0.8	6.1	59
18(24/32)	2x0.75	0.6	0.8	6.5	66
17(32/32)	2x1	0.6	0.9	7.1	79
16(30/30)	2x1.5	0.8	1	8.7	120
14(50/30)	2x2.5	0.9	1.1	10.1	170
12(56/28)	2x4	1	1.2	11.9	235
<b>3183TQ</b>					
20(16/32)	3x0.5	0.6	0.8	6.5	65
18(24/32)	3x0.75	0.6	0.9	7.1	80
17(32/32)	3x1	0.6	0.9	7.6	94
16(30/30)	3x1.5	0.8	1	9.3	140
14(50/30)	3x2.5	0.9	1.1	10.8	200
12(56/28)	3x4	1	1.2	12.7	285



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 Weight kg/km
<b>3184TQ</b>					
18(24/32)	4x0.75	0.6	0.9	7.7	96
17(32/32)	4x1	0.6	0.9	8.2	113
16(30/30)	4x1.5	0.8	1.1	10.3	174
14(50/30)	4x2.5	0.9	1.2	12	252
12(56/28)	4x4	1	1.3	14.1	355
<b>3185TQ</b>					
18(24/32)	5x0.75	0.6	1	8.6	115
17(32/32)	5x1	0.6	1	9.2	140
16(30/30)	5x1.5	0.8	1.2	11.5	195
14(50/30)	5x2.5	0.9	1.2	13.1	290
12(56/28)	5x4	1	1.3	15.4	417
<b>3186TQ</b>					
18(24/32)	6x0.75	0.6	1.1	9.6	135
17(32/32)	6x1	0.6	1.1	10.2	171
16(30/30)	6x1.5	0.8	1.3	12.7	235
14(50/30)	6x2.5	0.9	1.4	14.7	340
<b>3187TQ</b>					
18(24/32)	7x0.75	0.6	1.1	10.4	170
17(32/32)	7x1	0.6	1.1	11.1	201
16(30/30)	7x1.5	0.8	1.2	13.6	366
14(50/30)	7x2.5	0.9	1.3	15.8	424
<b>3188TQ</b>					
18(24/32)	8x0.75	0.6	1.2	11.3	175
17(32/32)	8x1	0.6	1.3	12.3	244
16(30/30)	8x1.5	0.8	1.5	15.2	315
14(50/30)	8x2.5	0.9	1.7	17.8	465
<b>3189TQ</b>					
18(24/32)	9x0.75	0.6	1.3	12.4	201
17(32/32)	9x1	0.6	1.3	13.2	268
16(30/30)	9x1.5	0.8	1.6	16.6	333
14(50/30)	9x2.5	0.9	1.8	19.4	490
<b>31810TQ</b>					
18(24/32)	10x0.75	0.6	1.3	12.4	215
17(32/32)	10x1	0.6	1.3	13.2	286
16(30/30)	10x1.5	0.8	1.6	16.6	360
14(50/30)	10x2.5	0.9	1.8	19.4	530