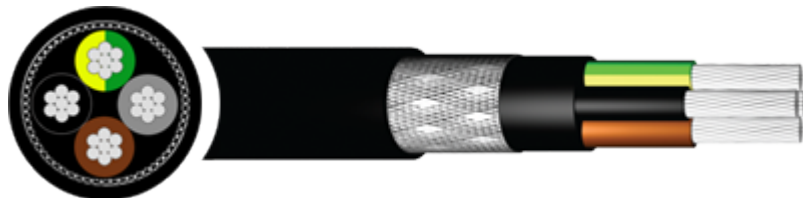


Braided Tough Rubber Flexible Cord - HOFR,BS6500/75, BS6007/75, PCP -1mm to 16mm



Braided Tough rubber and flexible cord cable is suitable for installing in damp environments. It is designed for temporary building sites as the upper braiding prevents earth leakage and offers mechanical protection. Heat and oil resistant and flame retardant (HOFR). The cable features flexible stranded copper or tinned annealed copper conductors

Key Features



Installation Guidelines

Should not be installed at temperatures below 0°C



Voltage Rating

300/500 Volts grade to BS6500/75
450/750 Volts grade to BS6007/75



Minimum Bending Radius

As Per Manufacturers Datasheet



Temperature Limits

Temperature Range: -25°C to +60°C

Construction

- **Conductor:** Flexible stranded copper or Tinned Annealed Copper Conductors
- **Insulation:** Heavy duty Polychloropene (PCP)Screen
- **Bedding:** Tinned Copper Wire Braid
- **Screen:** Tinned Copper Wire Braiding
- **Sheath:** Heavy duty Polychloropene (PCP)
- **Sheath Colour:** Black

Standards

- BS6500/75, BS6007/75, Flame Propagation to BS 4066 PT1, Flame Propagation to IEC 332 PT1

Core Colours

2 core -	Brown	Blue			
3 core -	Brown	Blue	Green	Yellow	
4 core -	Brown	Black	Grey	Green	Yellow

Braided Tough Rubber Flexible Cord - HOFR,BS6500/75, BS6007/75, PCP - 1mm to 16mm - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Gland Size
3802TQ1	1	2	30/0.20	11.1	170	20/16
3803TQ1	1	3	30/0.20	11.4	200	20/16
3804TQ1	1	4	30/0.20	12.1	230	20/16
3803TQ1/5	1.5	2	30/0.25	13.1	270	20S
3802TQ1/5	1.5	2	30/0.25	12.3	225	20/16
3804TQ1/5	1.5	3	30/0.25	14.2	320	20S
3803TQ2/5	2.5	2	50/0.25	15.6	350	20
3804TQ2/5	2.5	3	50/0.25	17	420	20
3802TQ2/5	2.5	4	50/0.25	14.8	300	20S
3804TQ4	4	2	56/0.30	23.6	865	25
3803TQ4	4	4	56/0.30	21.3	715	25
6803TQ6	6	3	84/0.30	24.8	973	25
6804TQ6	6	4	84/0.30	27.1	1166	32
6803TQ10	10	3	90/0.40	30.7	1592	32
6804TQ10	10	4	90/0.40	33.3	1878	40
6803TQ16	16	3	126/0.40	33.8	1992	40
6804TQ16	16	4	126/0.40	37.2	2452	40

Multi core non-armoured 90 °C and 180°C thermosetting insulated flexible cables with sheath Reproduced from BS7671:2018 Wiring Regulations

TABLE 4F2B

VOLTAGE DROP (per ampere per metre):

Conductor operating temperature: 90 °C

Conductor cross-sectional area (mm ²)	Two-core cable or 2 x Single core cables DC (mV/Nm)	2 core cable, single-phase AC (mV/Nm)			1 x 3 core, 4 core or 5 core cable, three-phase AC (mV/Nm)			2 single-core cables, touching Single-phase AC* (mV/Nm)		
		r	x	z	r	x	z	r	x	z
4	13.20	13.20			11.10			-		
6	8.50	8.50			7.40			-		
10	5.10	5.10			4.40			-		
16	3.20	3.20			2.70			-		
25	2.03	2.03	0.175	2.04	1.73	0.150	1.73	-	-	-
35	1.420	-	-	-	1.22	0.150	1.23	1.44	0.21	1.46
50	1.000	-	-	-	0.91	0.145	0.93	1.00	0.21	1.02
70	0.710	-	-	-	0.62	0.140	0.64	0.71	0.20	0.73
95	0.540	-	-	-	0.47	0.135	0.49	0.54	0.195	0.57
120	0.420	-	-	-	0.37	0.135	0.39	0.42	0.190	0.46
150	0.340	-	-	-	0.29	0.130	0.32	0.34	0.190	0.39
185	0.270	-	-	-	0.24	0.130	0.27	0.27	0.190	0.33
240	0.210	-	-	-	0.188	0.130	0.23	0.210	0.185	0.28
300	0.167	-	-	-	0.147	0.125	0.195	0.173	0.180	0.25
400	0.127	-	-	-	-	-	-	0.132	0.175	0.22
500	0.100	-	-	-	-	-	-	0.107	0.170	0.20
630	0.074	-	-	-	-	-	-	0.085	0.170	0.190

NOTES:

1 The voltage drop figures given above are based on a conductor operating temperature of 90 °C and are therefore not accurate when the operating temperature is in excess of 90 °C. In the case of the 180 °C cables with a conductor temperature of 150 °C the above resistive values should be increased by a factor of 1.2.

2 *A larger voltage drop will result if the cables are spaced.

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

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