

Braided Tough Rubber Flexible Cord - HOFR,BS6500/75, BS6007/75, PCP -1mm² to 16mm²



Description

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


Voltage Rating

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


Minimum Bending Radius

Fixed: 6 x overall diameter
Flexing: 8 x overall diameter


Flame Retardancy

IEC/EN 60332-1-2


Temperature Limits

Temperature Range: -25°C to +60°C

Core Colours

2 core - Brown Blue

3 core - Brown Blue Green Yellow

4 core - Brown Black Grey Green Yellow

Standards

- IEC/EN 60332-1-2
- Conforms to H05RR-F
- BS EN/IEC 60228
- BS EN 50525-2-21

Construction

- **Conductor:** Class 5 flexible stranded copper conductor
- **Insulation:** Heavy Duty Rubber Compound
- **Screen:** Tinned Copper Wire Braiding
- **Outer Sheath:** Heavy Duty Polychloroprene (HDPCP)
- **Sheath Colour:** Black

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.


CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.


ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

Braided Tough Rubber Flexible Cord - HOFR,BS6500/75, BS6007/75, PCP -1mm² to 16mm² - Dimensions

Reference	Conductor Size (mm2)	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



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.

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