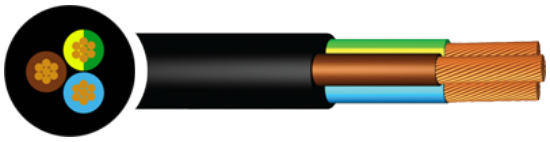
H05RR-F Tough Rubber Flexible Cord BS EN 50525-2-21, BS6500, EPR, TR - 0.75mm² to 2.5mm²



Description

Tough rubber and flexible cord cable is suitable for installing in damp environments where there is minimal risk of damage from machines. They are most commonly used in kitchen appliances such as washing machines or ovens. The flexible cord cable features flexible stranded copper or tinned annealed copper conductors and an ethylene propylene rubber insulation. The black sheath is manufactured from tough rubber. To Harmonised Code: H05RR-F.

Key Features

Voltage Rating
300/500 Volts

Minimum Bending Radius
Fixed: 3 x overall diameter
Flexing: 4 x overall diameter

Flame Retardancy
IEC/EN 60332-1-2

Temperature Limits
Fixed: -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

- Conforms to H05RR-F
- BS EN 50525-2-21
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228
- BS6500

Construction

- **Conductor**: Class 5 flexible stranded copper conductor
- **Insulation**: Ethylene Propylene Rubber (EPR)
- **Outer Sheath**: Heavy Duty Rubber Compound

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory

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

H05RR-F Tough Rubber Flexible Cord BS EN 50525-2-21, BS6500, EPR, TR - 0.75mm² to 2.5mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Gland Size
3182/75	0.75	2	24/0.20	6.6	63	20/16
3183/75	0.75	3	24/0.20	7.2	78	20/16
3184/75	0.75	4	24/0.20	7.8	94	20/16
31821	1	2	30/0.20	7.1	77	20/16
31831	1	3	30/0.20	7.5	90	20/16
31841	1	4	30/0.20	8.2	110	20/16
31821/5	1.5	2	30/0.25	8.7	115	20S
31831/5	1.5	3	30/0.25	9.2	135	20S
31841/5	1.5	4	30/0.25	9.8	170	20S
31851/5	1.5	5	30/0.25	10.3	195	20S
31822/5	2.5	2	50/0.25	10.3	165	20S
31832/5	2.5	3	50/0.25	11	195	20S
31842/5	2.5	4	50/0.25	11.9	245	20
31852/5	2.5	5	50/0.25	12.3	290	20

TABLE 4F2B

VOLTAGE DROP (per ampere per metre):

Conductor operating temperature: 90 °C

Conductor cross-sectional area	Two-core cable or 2 x Single core cables DC	2 core cable, single-phase AC			1 x 3 core, 4 core or 5 core cable, three-phase AC			2 single-core cables, touching Single-phase AC*		
(mm^2)	(mV/Nm)	(mV/Nm)			(mV/Nm)			(mV/Nm)		
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			-		
		r	x	z	r	x	z	r	x	z
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.