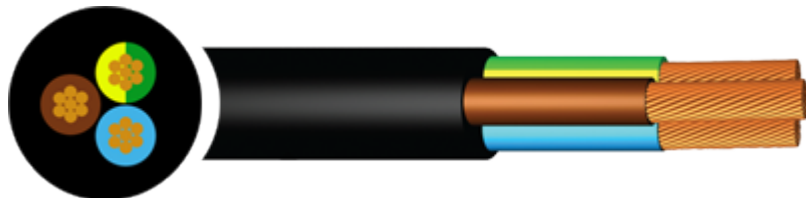


H055R-F Tough Rubber Flexible Cord BS EN 50525-2-21, BS6500, EPR, TR - 0.75mm to 2.5mm



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



Installation Guidelines

Should not be installed at temperatures below 0°C



Voltage Rating

300/500 Volts



Minimum Bending Radius

As Per Manufacturers Datasheet



Temperature Limits

Temperature Range (Fixed): -25°C to +60°C

Construction

- **Conductor:** Class 5 flexible stranded copper conductor to BS EN 60228
- **Insulation:** EPR (Ethylene Propylene Rubber)
- **Sheath:** Tough Rubber (CPE Mixture)

Standards

- BS EN 50525-2-21 (formerly BS7919), H05RR-F

Core Colours

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

H055R-F Tough Rubber Flexible Cord BS EN 50525-2-21, BS6500, EPR, TR - 0.75mm to 2.5mm - Dimensions

Reference	Conductor Size (mm ²)	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

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)		
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.

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