

# H05RR-F Tough Rubber Flexible Cord BS EN 50525-2-21, BS6500, EPR, TR - 0.75mm<sup>2</sup> to 2.5mm<sup>2</sup>



#### **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**



### **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

## 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





















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# 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	205	
31831/5	1.5	3	30/0.25	9.2	135	205	
31841/5	1.5	4	30/0.25	9.8	170	205	
31851/5	1.5	5	30/0.25	10.3	195	205	
31822/5	2.5	2	50/0.25	10.3	165	205	
31832/5	2.5	3	50/0.25	11	195	205	
31842/5	2.5	4	50/0.25	11.9	245	20	
31852/5	2.5	5	50/0.25	12.3	290	20	



















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#### **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*		
(mm²)	(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	х	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:

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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<sup>1</sup> 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.

<sup>2 \*</sup>A larger voltage drop will result if the cables are spaced.