



# Doncaster Cables

## **318– Tough Rubber Sheath (TRS) (H05RR-F)** **Tough Rubber Insulated and Sheathed Flexible Cords**



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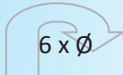



Manufactured to BS EN 50525-2-21:2011 Clause 4.1

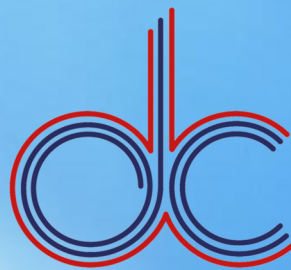
Annealed Flexible Copper Conductor / Rubber Insulated / Rubber Sheathed.  
300/500V

<b>Conductor :</b>	Annealed Copper Class 5 Flexible to BS EN 60228
<b>Insulation:</b>	Cross Linked Elastomeric Type EI4 to BS EN 50363-1
<b>Sheathing:</b>	Cross Linked Elastomeric Type EM2 to BS EN 50363-2-1
<b>Current Ratings:</b>	For current ratings refer to table 4F3 of BS7671 IEE Wiring Regulations Seventeenth Edition.

Ordinary duty rubber flexible cords are used where the risk of mechanical damage and mechanical stresses is normal, i.e. when cables are subject to low mechanical stresses in the areas of application, and the risk of mechanical damage is low, as is the case to be expected in the normal use of small to medium size equipment in domestic and commercial as well as in light industrial premises.

Examples of appliances that use ordinary duty rubber flexible cords include vacuum cleaners, kitchen equipment, small electrical welding machines and portable hand tools.

<b>STANDARD CORE COLOURS</b>	<b>MINIMUM OPERATING TEMPERATURE</b>	<b>MAXIMUM OPERATING TEMPERATURE</b>	<b>MINIMUM BENDING RADIUS</b>
2 CORE 			
3 CORE 			
4 CORE 			
5 CORE 			



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Reference Number	Harmonisation Code	Nominal Cross Sectional Area of Conductor (mm <sup>2</sup> )	Nominal Stranding of Conductor (mm)	Nominal Radial Thickness of insulation (mm)	Nominal Radial Thickness of sheath (mm)	Overall Diameter Lower Limit (mm)	Overall Diameter Upper Limit (mm)	Approximate Weight (kg/km)
31820.75	H05RR-F	0.75	24/0.2	0.6	0.8	5.7	7.4	65
31821.0	H05RR-F	1.0	32/0.2	0.6	0.9	6.1	8.0	75
31821.5	H05RR-F	1.5	30/0.25	0.8	1.0	7.6	9.8	110
31822.5	H05RR-F	2.5	50/0.25	0.9	1.1	9.0	11.6	155
31830.75	H05RR-F	0.75	24/0.2	0.6	0.9	6.2	8.1	80
31831.0	H05RR-F	1.0	32/0.2	0.6	0.9	6.5	8.5	90
31831.5	H05RR-F	1.5	30/0.25	0.8	1.0	8	10.4	135
31832.5	H05RR-F	2.5	50/0.25	0.9	1.1	9.6	12.4	190
31840.75	H05RR-F	0.75	24/0.2	0.6	0.9	6.8	8.8	95
31841.0	H05RR-F	1.0	32/0.2	0.6	0.9	7.1	9.3	110
31841.5	H05RR-F	1.5	30/0.25	0.8	1.1	9.0	11.6	170
31842.5	H05RR-F	2.5	50/0.25	0.9	1.2	10.7	13.8	245
H31851.5	H05RR-F	1.5	30/0.25	0.8	1.1	9.8	12.7	195
H31852.5	H05RR-F	2.5	50/0.25	0.9	1.3	11.9	15.3	290

Weight and dimensional information is provided as an approximate guide only.