

H05RR-F / 318-TRS

Unshielded Multicore Tough Rubber Cable **pro-POWER**

**RoHS
Compliant**



Application:

Flexible cords suitable for use in domestic premises, such as kitchens and offices.

Construction:

Conductor:

Class 5 flexible copper conductor according to BS EN 60228 (previously BS 6360)

Insulation:

Rubber compound type E14 according to BS EN 50363

Sheath:

Rubber compound type EM3 according to BS EN 50363

Cable Standards

Made in accordance with the following:
BS EN 50525-2-21, VDE0282 (BS 6500)

Characteristics:

Voltage Rating (Uo/U)

300/500V

Temperature Rating:

Flexed : -25°C to +60°C

Min. Bending Radius:

Flexed : 4 × overall diameter

Fixed : 3 × overall diameter

Core Identification:

2 core : Brown and Blue

3 core : Green/Yellow, Blue and Brown

4 core : Green/Yellow, Brown, Black and Grey

Sheath Colour:

Black

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Dimensions:

Part Number	No. of Cores	Nominal Cross Sectional Area mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP001147	2	1	0.6	6.6	64
PP001150		1.5	0.8	7.8	95
PP001148	3	1	0.6	7	77
PP001151		1.5	0.8	8.4	115
PP001153		2.5	0.9	9.9	170
PP001149	4	1	0.6	7.6	95
PP001152		1.5	0.8	9.4	145

Conductors

Class 5 Flexible Copper Conductors for Multi-Core Cables

Nominal Cross Sectional Area mm ²	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C Plain Wires Ω / km
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98

The above table is in accordance with BS EN 60228 (previously BS 6360)

Electrical Characteristics:

Current Carrying Capacity and Mass Supportable

Nominal Cross Sectional Area mm ²	Current Carrying Capacity Amps		Max. Mass Supportable by Twin Flexible Cord (See Regulations 522.7.2 and 559.6.1.5 from 17th Edition of Wiring Regulations) kg
	Single-Phase AC	Three-Phase AC	
1	10	10	5
1.5	16	16	
2.5	25	20	

The above table is in accordance with Table 4F3A of the 17th Edition of IEE Wiring Regulations.

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Voltage Drop:

Nominal Cross Sectional Area mm ²	DC or Single-Phase AC mV/A/m	Three-Phase AC mV/A/m
1	46	40
1.5	32	27
2.5	19	16

Conductor operating temperature: 60°C

The above table is in accordance with Table 4F3B of the 17th Edition of IEE Wiring Regulations.

De-Rating Factors:

De-Rating Factor for Ambient Temperature 60°C Thermoplastic or Thermosetting Insulated Cords

Ambient Temperature	35°C	40°C	45°C	50°C	55°C
De-Rating Factor	0.91	0.82	0.71	0.58	0.41

Part Number Table

Description	Reel Length	Part Number
H05RR-F Multicore Cable, 2, 1mm ²	50m	PP001147
H05RR-F Multicore Cable, 2, 1.5mm ²		PP001150
H05RR-F Multicore Cable, 3, 1mm ²		PP001148
H05RR-F Multicore Cable, 3, 1.5mm ²		PP001151
H05RR-F Multicore Cable, 3, 2.5mm ²		PP001153
H05RR-F Multicore Cable, 4, 1mm ²		PP001149
H05RR-F Multicore Cable, 4, 1.5mm ²		PP001152

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