

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

H05RR-F / 318-TRS

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

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.

H05RR-F / 318-TRS

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

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2012.

X-ON Electronics

Authorized Distributor

Click to view similar products for [Pro Power manufacturer](#).

Other Similar products are found below :

[PPCY4C075100M](#) [PPCY3C10050M](#) [PPC217](#) [PP001328](#) [PP001316](#) [PP001109](#) [PP001088](#)

[PP000940](#) [PP030](#) [PP000909](#) [PP001326](#) [PP001308](#) [PP000877](#) [PP000868](#) [PP000704](#)

[PP001163](#) [PP001156](#) [PP001085](#) [PP000510](#) [PP001076](#) [PP000944](#) [PP000914](#) [PP000407](#)

[PP000386](#) [PP000870](#)