

FEATURES

- Flexible, even at low temperatures
- Excellent resistance to tear and fatigue
- High resistance to abrasion
- Good tensile strength
- Good resistance to dilute acids and bases
- Excellent water resistance

RS PRO 3 Core 1 mm² Multicore Mains Power Cable, Black CPE Sheath 100m, 10 A 300 V, 500 V, TRS H05RR-F

RS Stock No.: 863-4011



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From RS PRO a high-quality, durable and lightweight H05RR-F harmonised flexible mains power cable with rubber insulation and outer jacket. This power cable has a voltage rating of 300 to 500 V and is ideal for providing power to small portable domestic and industrial appliances.

General Specifications

Type	TRS
Harmonised Code	H05RR-F
Sheath Material	CPE
Sheath Colour	Black
Core Colour	Blue; Brown; Green/yellow
Applications	Household and kitchen appliances such as irons, vacuum cleaners and toasters, Handheld and portable devices such as radios, Office equipment such as air conditioning fans, Lightweight hand and workshop tools such as soldering irons, Suitable for fixed installation in partition walls, furniture and in hollow spaces of prefabricated building parts

Electrical Specifications

Current Rating	10A
Voltage Rating	300 V, 500 V
Insulation Material	EPDM
Conductor Material	Copper
Conductor Resistance	19.5 Ω/km

Mechanical Specifications

Length	100m
Cross Sectional Area	1 mm ²
American Wire Gauge	17AWG
Outer Diameter	6.8 → 7.2mm
Number of Cores	3
Number of Strands	32
Size of Strands	0.19mm
Core Strands	32/0.19mm
Conductor Strand Type	Stranded

Operation Environment Specifications

Operating Temperature Range	-25°C to +60°C
Minimum Operating Temperature	-25°C
Maximum Operating Temperature	+60°C

Approvals

Compliance/Certifications	RoHS, CE
Standards Met	Euroclass Eca, BS EN 60228, BS EN 50363, VDE 0282, VDE 0472, GB/T5013





3. Technique Parameter:

RS Stock No	Description no of cores x section	Conductor construction ($\pm 0.08\text{mm}$)	Insulation normal thickness (mm)	Jacket normal thickness (mm)	Jacket diameter for reference (mm)	Conductor D.C. resistance at 20°C ($\leq \text{ohms/km}$)
8634002	H05RRF 3X0.75mm ² 100M	24/0.191	0.6 \pm 0.16	0.9 \pm 0.23	6.8 \pm 0.5	26
8634011	H05RRF 3X1.0mm ² 100M	32/0.191	0.6 \pm 0.16	0.9 \pm 0.23	7.2 \pm 0.5	19.5
8634014	H05RRF 3X1.5mm ² 100M	30/0.24	0.8 \pm 0.18	1.0 \pm 0.25	8.8 \pm 0.5	13.3
8634018	H05RRF 3X2.5mm ² 100M	49/0.24	0.9 \pm 0.19	1.0 \pm 0.26	10.5 \pm 0.5	7.98

Remark: Conductor diameter just for your reference, the key test is resistance of conductor.