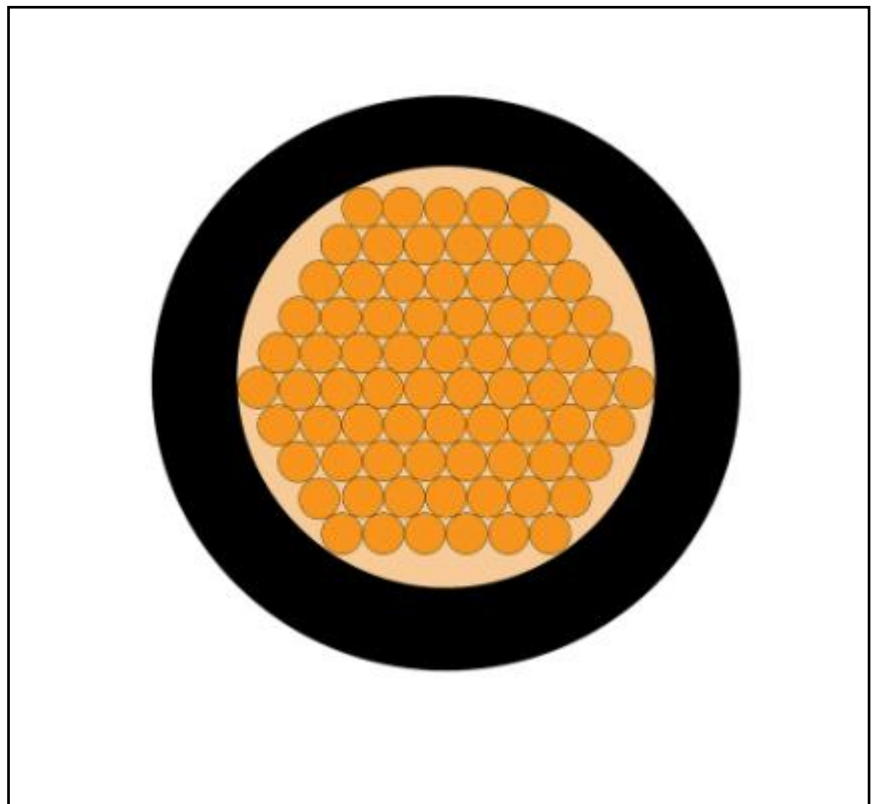


FEATURES

- Flexible and durable
- Excellent temperature resistance
- Resistance to impact and abrasion
- UV resistant with high resistance to ageing by sunlight and oxidation
- Resistant to hydrocarbons, oils, greases and fuels
- Excellent fire resistant properties

RS PRO Black, 16 mm² Hookup & Equipment Wire, 100m

RS Stock No.: 836-0855



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 H07BN4-F flexible mains power cable with rubber insulation and sheathed in a CSP (chlorosulphonated polyethylene) jacket. This power cable has a voltage rating of 450 to 750 V, is heat resistant, flame retardant and has excellent resistance to abrasion, oils, water and weathering making it suitable for use in most industrial applications.

General Specifications

Type	Hook-up wire
Conductor Material	Untinned Copper
Sheath Colour	Black
Insulation Material	PVC
Fire Behaviour	Flame Retardant
Application	Circuit boards, Computer Internals, Vehicle lights, Mobile phones and other battery operated devices

Electrical Specifications

American Wire Gauge	5AWG
Core Strands	151/0.35 mm
Voltage Rating	450/750V
Harmonised Code	H07BN4-F
Conductor Resistance	1.21Ohms/1000ft @ 20degC
Test voltage	2,5kv

Mechanical Specifications

Cross Sectional Area	16mm ²
Outer Diameter	10.8mm to 13.4mm
Length	100m
Insulation Wall Thickness	1.20mm

Operation Environment Specifications

Minimum Operating Temperature	-40°C
Maximum Operating Temperature	90°C
Operating Temperature Range	-40°C to 90°C

Approvals

Compliance/Certifications	BS, EN 50525-2-21 (previously BS 7919, CENELEC HD22.12.S1/A1), BS EN/IEC 60332-1-2, CEI 20-19/12
Standards Met	Euroclass Eca



STANDARD
CONDUCTOR
INSULATION

SHEATH

OPERATING TEMPERATURE
NOMINAL VOLTAGE
TEST VOLTAGE

CONSTRUCTION

: TS EN 50525-2-21
: CLASS 5 IEC 60228 untinned copper
: Cross Linked elastomeric compounds
Type EI 7 to EN 50363-1
: Cross Linked elastomeric compounds,
Type EM 7 to EN 50363-2-1.
: -40 90 °C
: 450/750 V
: 2,5 kV



DIAMETERS

No. of Cores and mm ² per conductor	Insulation thickness Nominal mm	Outer thickness mm	Outer diameter in mm	Max. resistance at 20°C (Ω/km)
1x6	1,00	1,60	7,90-9,80	3,3
1x10	1,20	1,80	9,50-11,90	1,91
1x16	1,20	1,90	10,80-13,40	1,21
1x25	1,40	2,00	12,70-15,80	0,78