RS PRO

Features

- Lower carbon footprint

- Manufactured using copper with <1.7kg CO_2/kg as opposed to the global average of copper which is >4.5kg CO_2 / kg

- BASEC Approved

- LPCB Approved

- TAPE IS ADHERED TO THE SHEATH (Allows tape and sheath to be removed simultaneously)

- SUPERIOR EARTH CONTINUITY (Pressured sheath allows better contact of tape and CPC)

- PREVENTS TRANSMISSION OF SMOKE AND DANGEROUS GASES THROUGH THE CABLE (Due to tightly pressured sheath resulting in minimal air gaps within the cable)

RS PRO Hook Up Wire

RS Stock No.: 0606102

*Representative image colour will change

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.

Hook Up Wire

Product Description

Fire performance cable
A fire performance cable particularly suited for fire detection, fire alarms, and other essential circuits for "standard" fire condition performance. Also used for emergency/ escape lighting and voice communication. The cable is designed to perform during fire, mechanical impact and water conditions in environments, for a prescribed period, where public safety is of paramount importance, enabling evacuation and maintaining critical circuits.
These cables are suitable for both indoor and outdoor applications in suitably protected environments and is particularly appropriate for direct burial in plaster, clipped directly to surface, tray and other installations requiring a dressable product.
Manufactured using copper that has been validated and third party verified to ensure that the ratio of CO_2 per kg is less than the global average. Verified by Intertek and DNV with calculations in accordance with GHG protocol, the copper in this cable has a ratio of <1.7:1 (CO_2:Cu), compared to the global average which has a ratio of >4.5:1 (CO_2:Cu). Resulting in copper that has over 2.5 time less CO_2 impact than the global average.

General Specifications

Conductor	Plain Annealed Copper Class 1 or 2 to BS EN 60228
Insulation	Silicone Rubber Type EI2 to BS EN 50363-1
Screen	Single Aluminium/Co-Polymer Screen in direct contact with Tinned Annealed Copper CPC. Providing excellent earthing characteristics
Binding	'Easy tear' polyester tape which allows easier removal of the sheath
Sheath	Thermoplastic LSNH Type LTS 3 to BS 7655-6.1
Sheath Colour	White
Standard	Manufactured to BS 7629-1 Table 2
Number of conductors	3 + CPC
Size of conductors	2.5mm²

Electrical Specifications

BS 6387:2013 (Category C – Resistance to fire alone, 3 hours at 950°)
BS 6387:2013 (Category W – Resistance to fire with water spray)
BS 6387:2013 (Category Z – Resistance to fire with mechanical shock)

Hook Up Wire

RS PRO

EN 50200:2015 (ph30, ph60 and ph120)
EN 50200:2015 Annex E – Resistance to fire with mechanical shock and water
BS 5839-1 Clause 26.2d (Standard)
RELEVANT STANDARDS:
BS EN 60332-1-2 (Vertical flame propagation)
BS EN 60754-1 (Emission of acid gas)
BS EN 61034-2 (Smoke density)

Mechanical Specifications

Temperature Range	Minimum Operating temperature -15^{0}C Maximum Operating temperature +70^{0}C
Minimum bending radius	6 x diameter

Electrical Specifications

Voltage Rating	300/500V
Current ratings	Refer to table 4D2 of BS7671 IET Wiring Regulations.

Approvals

Third Party approvals	BASEC (British Approvals Service for Cables)
	LPCB
RoHS	RoHS Compliant

Similar Products

Stock No.	Brand	Product Name	Number & size of conductor	Length	Colour
0606094	RS PRO	Fire performance	2 x 1.5mm²	100m	Red

Hook Up Wire

0606095	RS PRO	Fire performance	2 x 1.5mm²	100m	White
0606097	RS PRO	Fire performance	2 x 2.5mm²	100m	Red
0606098	RS PRO	Fire performance	2 x 2.5mm²	100m	White
0606099	RS PRO	Fire performance	3 x 1.5mm²	100m	Red
0606100	RS PRO	Fire performance	3 x 1.5mm²	100m	White
0606101	RS PRO	Fire performance	3 x 2.5mm²	100m	Red
0606102	RS PRO	Fire performance	3 x 2.5mm²	100m	White
0606104	RS PRO	Fire performance	4 x 1.5mm²	100m	Red
0606105	RS PRO	Fire performance	4 x 1.5mm²	100m	White
0606106	RS PRO	Fire performance	4 x 2.5mm²	100m	Red
0606107	RS PRO	Fire performance	4 x 2.5mm²	100m	White

Connection Diagrams / Assembly Diagrams / Illustrations / Accessories