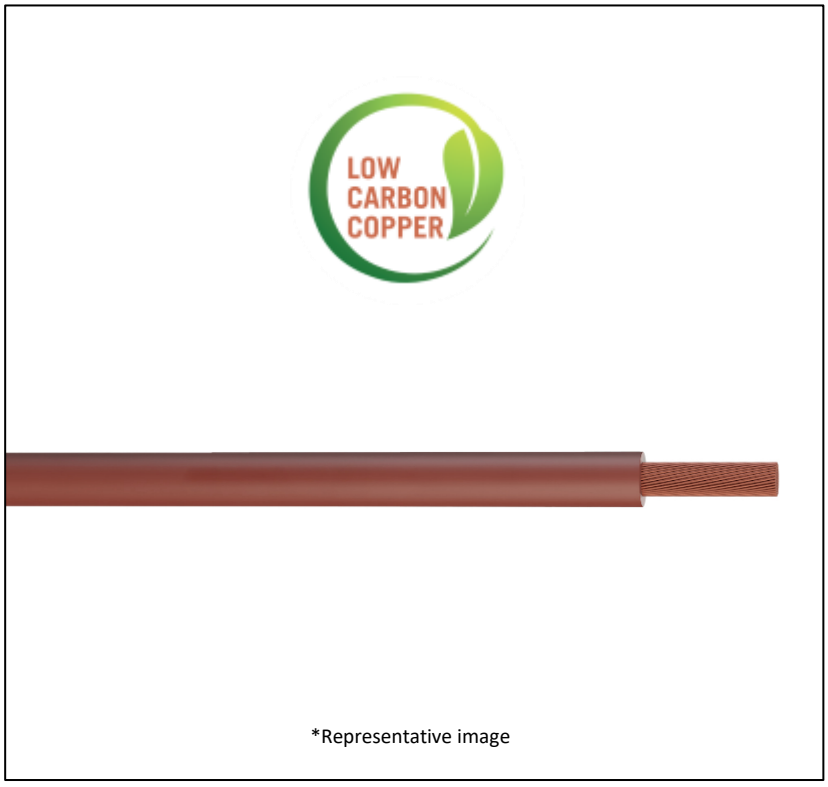
Features

- Low Carbon Footprint
- Conforms to BS6231 Type CK, UL Subject 758 & CSA Standard C22.2, No 127, Type TEW
- Oil Resistance at Temperature's up to 60°C
- Operating Temperature up to 105°C

RS PRO Family Name

RS Stock No.: 0782349



*Representative image

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

These cables are intended for use in the wiring of switch, control, metering, relay and instrument panels of power switchgear, and for such purposes as internal connections in rectifier equipment and its motor starters and controllers. They are intended for use at alternating voltages not exceeding 600 V to earth, and direct voltages not exceeded 1000V to earth. When installed in the equipment they are suitable for wiring circuits for which the prescribed alternating test voltage does not exceed 4kV r.m.s for 1 minute.
By being approved to three international standards Tri-Rated cable is suitable for equipment installations required to meet both North American and European wiring regulations and codes of practice.
Manufactured using copper that has been validated and third party verified to ensure that the ratio of CO2 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 (CO2:Cu), compared to the global average which has a ratio of >4.5:1 (CO2:Cu). Resulting in copper that has over 2.5 time less CO2 impact than the global average.

General Specifications

Conductor	Flexible Plain Annealed Copper
Nominal Size	1 x 6.0mm^2
Nominal Stranding	84*0.3mm
Nominal Overall Diameter	5.3mm
Insulation	PVC
Insulation Colour	Red
Length	100m
Weight	73 Kg/Km

Electrical Specifications

British Standards Institute	BS6231 Type CK
Underwriters Laboratories	Subject 758 (Appliance Wiring Material)
Canadian Standards Association	Standard C22.2, No.127, Type TEW
Maximum Current Rating	53 Amps
AC Voltage Rating	Not to Exceed 600V to Earth
Dc Voltage Rating	Not to Exceed 1000V to Earth
Spread of Flames	BS EN 60332-1-2, VW-1 & FT-1
UL Style Number	1015

Mechanical Specifications

BS 6231 Operating Temperature	Maximum 90°C
BS 6231 Annex A	Permissible Under Certain Conditions at up to 105•C
UL & CSA	Recognized as Heat Resistant at up to 105•C Recognized as Oil Resistant at up to 60•C
AC Test Voltage	4 kV r.m.s for 1 minute

Approvals

Third Party Approvals	British Approval Service for Cable Canadian Standards Association Underwriters Laboratories

Similar Products

Stock No.	Brand	Product Name	Number & Size of Conductor	Length	Colour
0782337	RS PRO		1 x 6.0mm²	100m	Black
0782339	RS PRO		1 x 6.0mm²	100m	Blue
0782341	RS PRO		1 x 6.0mm²	100m	Brown
0782343	RS PRO		1 x 6.0mm²	100m	Green/Yellow
0782345	RS PRO		1 x 6.0mm²	100m	Grey
0782347	RS PRO		1 x 6.0mm²	100m	Lilac
0782349	RS PRO		1 x 6.0mm²	100m	Red
0782351	RS PRO		1 x 6.0mm²	100m	White

Connection Diagrams / Assembly Diagrams / Illustrations / Accessories