



## Datasheet

ENGLISH

# RS PRO 305m TRI-RATED SWITCHGEAR AND PANEL WIRING

Stock No: 2252154, 2252155,  
2252156, 2252157



Manufactured to: BS 6231 Type CK

- Underwriters Laboratory Listed. Conforms to subject 758 Appliance Wiring Material for Styles 1015, 1028, 1283 and 1284 where applicable.
- Canadian Standards Association approved. Complies with Standard C22.2, No.127, Type TEW

<b>Conductor:</b>	Flexible Plain Annealed Copper
<b>Oil Resistance:</b>	This cable is recognised by CSA and UL as resistant to oil at temperatures up to 60°C
<b>Spread of Flame:</b>	Tested to BS EN 50265, VW-1 and FT-1
<b>Temperature range:</b>	UL and CSA recognised as heat resisting with a maximum conductor operating temperature of 105°C. BS6231 specifies a maximum operating temperature of 90°C for continuous use. Annex A of BS6231 explains how under certain conditions these cables can operate at up to 105°C.

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 exceeded 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.

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**Dimensional Details:**

<b>Nominal Cross Sectional Area of Conductor (mm<sup>2</sup>)</b>	<b>Nominal Stranding of Conductor (mm)</b>	<b>Nominal Overall Diameter (mm)</b>	<b>UL Style Number</b>	<b>Approximate Weight (kg/km)</b>	<b>Maximum Current Rating (Amperes)</b>	<b>Length (m)</b>
2.5	50/0.25	3.7	1015	33	30	305

This range of 305m cable is also available in different lengths. Please see the RS article codes below:

<b>stock number:</b>	<b>180-5956</b>	<b>Black Tri-rated cable 2.5mm 100m</b>
	<b>180-5959</b>	<b>Blue Tri-rated cable 2.5mm 100m</b>
	<b>180-5962</b>	<b>Brown Tri-rated cable 2.5mm 100m</b>
	<b>180-5972</b>	<b>Green Tri-rated cable 2.5mm 100m</b>
	<b>180-5965</b>	<b>Green/yellow Tri-rated cable 2.5mm</b>
	<b>180-5964</b>	<b>100m Grey Tri-rated cable 2.5mm 100m</b>
	<b>180-5958</b>	<b>Orange Tri-rated cable 2.5mm 100m</b>
	<b>180-5966</b>	<b>Pink Tri-rated cable 2.5mm 100m</b>
	<b>180-5960</b>	<b>Red Tri-rated cable 2.5mm 100m</b>
	<b>180-5963</b>	<b>Violet Tri-rated cable 2.5mm 100m</b>
	<b>180-5954</b>	<b>White Tri-rated cable 2.5mm 100m</b>
	<b>180-5961</b>	<b>Yellow Tri-rated cable 2.5mm 100m</b>

Weight and dimensional information is provided as an approximate guide only.

**Current Ratings Based On:**

1. Single conductor in free air.
2. Ambient temperature of 35°C.
3. Conductor temperature rise of 35°C.

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