

elumen8

CABLE DATASHEET

SPECIFICATION

Description: Tri-Rated Switchgear Wire 1.5mm 100m

CONSTRUCTION



These cables are intended for use in the wiring of switch, control, metering, relay and instrument panels of power distribution, switchgear and internal connections. They are intended for use at alternating voltages not exceeding 600V to earth, and direct voltages not exceeding 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 RMS 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.

- Made in Britain
- Manufactured to: BS 6231 Type CK
- Underwriters Laboratory Listed
- This cable is recognised by CSA and UL as resistant to oil at temperatures up to 60°C
- Spread of Flame: Tested to BS EN 60332-1-2, VW-1 and FT-1
- Temperature range: 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

| Order codes | Number and Nominal Cross Sectional Area of Conductors | Nominal Stranding of Conductor | Nominal Overall Diameter | UL Style Number | Approximate Weight (kg/m) | Maximum Current Rating |
|------------------------|---|--------------------------------|--------------------------|-----------------|---------------------------|------------------------|
| Special order | 0.5mm ² | 16/0.2mm | 2.6mmØ | 1015 | 0.012 | 11A |
| Special order | 0.75mm ² | 24/0.2mm | 2.8mmØ | 1015 | 0.015 | 14A |
| Special order | 1.0mm ² | 32/0.2mm | 3mmØ | 1015 | 0.018 | 17A |
| CABL1900 thru CABL1911 | 1.5mm ² | 30/0.25mm | 3.3mmØ | 1015 | 0.023 | 21A |
| CABL1912 thru CABL1922 | 2.5mm ² | 50/0.25mm | 3.7mmØ | 1015 | 0.033 | 30A |
| CABL1923 thru CABL1927 | 4mm ² | 56/0.3mm | 4.3mmØ | 1015 | 0.051 | 41A |
| CABL1928 thru CABL1932 | 6mm ² | 84/0.3mm | 5.3mmØ | 1015 | 0.073 | 53A |
| CABL1933 thru CABL1937 | 10mm ² | 80/0.4mm | 7.1mmØ | 1015 | 0.124 | 75A |
| CABL1938 thru CABL1942 | 16mm ² | 126/0.4mm | 8.7mmØ | 1283 | 0.2 | 100A |
| CABL1943 thru CABL1947 | 25mm ² | 196/0.4mm | 10.3mmØ | 1283 | 0.295 | 136A |
| Special order | 35mm ² | 276/0.4mm | 11.7mmØ | 1283 | 0.406 | 167A |
| Special order | 50mm ² | 396/0.4mm | 14.5mmØ | 1283 | 0.614 | 204A |
| Special order | 70mm ² | 360/0.5mm | 16.7mmØ | 1284 | 0.795 | 259A |
| Special order | 95mm ² | 475/0.5mm | 18.9mmØ | 1284 | 1.011 | 321A |
| Special order | 120mm ² | 608/0.5mm | 20.4mmØ | 1284 | 1.256 | 374A |