



# Tri-Rated Cable 4mm (Red)

## CAB-R-400

### Description:

High temperature, flame retardant cable designed for use in the switch control, relay and instrumentation panels.



### Technical Specification:

**Conductor Insulation:** Copper, class 5 (flexible), based on EN60228 / IEC 60228 and BS 6360.  
Flexible PVC, extra sliding, high service type T13 according to UNE 21031/HD 21 and Class 43 UL 1581.

**Voltage Rating (Uo/U):** UL, CSA: 600/1000V  
BS 6231: 600/1000V  
BS EN 50525-2-31: 300/500V, 450/750V

**Temperature Rating:** UL, CSA: +105°C BS 6231: +90°C  
Minimum: -15°C

**Min. Bending Radius:** 6 x overall diameter

**Cable Standards:** BS EN 50525-2-31\* BS 6231 Type CK, UL Subj.758, CSA C22.2 No. 210 (HD 21.7 S2) #LL246095, BS EN/IEC 60332, BS EN 60228  
0.5sqmm - 120sqmm: Tri-rated BS6231: Single core cables, PVC insulated for switch gear and control gear UL (Underwriters laboratories) & CSA (Canadian standards approval) 150sqmm - 300sqmm: Bi-rated UL & CSA only.

**Colour:** Red

**Current Rating:** 41 Amps

**Voltage Drop mV/A/m:** 5.7

**Nominal Weight kg/km:** 48

Nominal cross sectional area: mm <sup>2</sup>	Approximate: AWG	Nominal Thickness of Insulation: mm	Nominal Overall Diameter: mm	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C ohms/km
4	12	0.8	4.35	0.31	4.95

### De-Rating Factors:

De-rating Factor for Ambient Temperature 60°C Thermoplastic or Thermosetting Insulated Cords:

Air Temperature	45°C	50°C	55°C	60°C	65°C	70°C	75°C
De-Rating Factor	1.00	0.97	0.90	0.82	0.73	0.63	0.52

Where cables are to be grouped, the following factors should be applied:

No. of Cables in Group	2	3	4	5	6	7	8
De-Rating Factor	0.80	0.70	0.65	0.60	0.56	0.53	0.50

### Product Code:

**CAB-R-400:** Tri-Rated Cable 4mm (Red)

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