Tri-Rated Cable 0.5mm (Blue)
CAB-BL-050

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 TI3 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: Blue

Current Rating: 11 Amps

Voltage Drop mV/A/m: 46

Nominal Weight kg/km: 11

Nominal cross sectional area: mm²	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
0.5	21	0.8	2.7	0.21	39

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-BL-050: Tri-Rated Cable 0.5mm (Blue)

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