



# Tri-Rated Cable 1.0mm (Green) CAB-GR-100

## Description:

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



## Technical Specification:

<b>Conductor Insulation:</b>	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.
<b>Voltage Rating (Uo/U):</b>	UL, CSA: 600/1000V BS 6231: 600/1000V BS EN 50525-2-31: 300/500V, 450/750V
<b>Temperature Rating:</b>	UL, CSA: +105°C BS 6231: +90°C Minimum: -15°C
<b>Min. Bending Radius:</b>	6 x overall diameter
<b>Cable Standards:</b>	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.
<b>Colour:</b>	Green
<b>Current Rating:</b>	17 Amps
<b>Voltage Drop mV/A/m:</b>	22
<b>Nominal Weight kg/km:</b>	18

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
1	18	0.8	3	0.21	19.5

## 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-GR-100:** Tri-Rated Cable 1.0mm (Green)

**EC Products Limited**  
EC House, Amberley Way, Hounslow,  
Middlesex. TW4 6BH. United Kingdom  
Tel:+44 (0)20 8569 4100 Fax: +44 (0)20 8569 4111