

Instrumentation Cable – 2 to 6C

18AWG, Tray Cable, 600V

Unscreen, PVC Sheath



C2811, C2812, C2813, C2861, C2890

Applications

Tray cable (TC) is designed for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 600 volts. Tray Cable is often used in industrial control systems, distribution systems, interconnection of protective and signaling devices and for general use in manufacturing.

Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Insulation	Polyvinyl Chloride/Nylon Colours for cores: Core1: Black Core2: Red Core3: Brown Core4: Blue Core5: Orange Core6: Yellow
Rip cord	Orange Nylon yarn
Sheath Material	UV Resistant Polyvinyl Chloride (PVC) Standard Colour: Black
Standard Put Up Length	305 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Physical Characteristics

Part Number	C2811	C2812	C2813	C2890	C2861
No of cores	2	3	4	5	6
Nom. Conductor Configuration (AWG)	18(7x26)				
Nom. Thickness of PVC Insulation (mm)	0.40				
Nom. Thickness of Nylon Insulation (mm)	0.13				
Nom. Sheath Thickness (mm)	1.20				
Nom. Overall Diameter (mm)	7.2	7.4	8.0	8.5	9.0
Operating Temperature (°C)	-30 / +90				
Max. Recommend. Pulling Tension (N)	300	400	500	550	600
Min. Bend Radius (install) (mm)	72	74	80	85	90
Nominal Cable Weight (kg/km)	54	75	97	102	107

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Electrical Characteristics

Part Number	C2811	C2812	C2813	C2890	C2861
No of cores	2	3	4	5	6
Max. DC Resistance Conductor (Ω /km)	22.7				
Max. DC Resistance Screen (Ω /km)	78.5				
Max. Operating Voltage (Vrms)	600				

Reference Standards

IEC 60332-1
IEC 60228
BS/EN 50290
RoHS directives