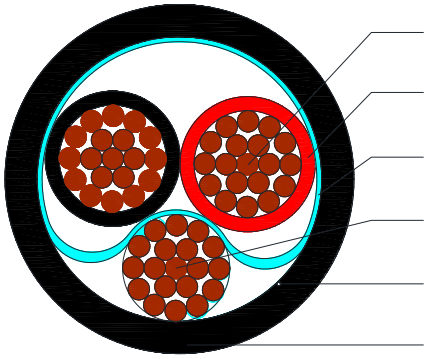
Instrumentation Cable – 1 pr, 16AWG, Overall Screen Tray Cable, 600V, PVC Sheath

C2820

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.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	Polyvinyl Chloride/Nylon Colours for pairs: Black & Red
Drain Wire	Tinned Copper wire
Screen	Aluminium/Polyester tape
Rip cord	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.

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Physical Characteristics

Part Number	C2820
No of pairs	1
Nom. Conductor Configuration（AWG）	16(19x29)
Drain Wire size (AWG)	16(19x29)
Screen Coverage (%)	115
Nom. Radial Thickness Sheath (mm)	1.2
Nom. Overall Diameter (mm)	7.5
Operating Temperature (°C	-30 / +90
Max. Recommend. Pulling Tension (N)	178
Min. Bend Radius (install) (mm)	77
Nominal Cable Weight (kg/km)	83.4

Electrical Characteristics at 20℃

Part Number	C2820
No of pairs	1
Max. DC Resistance Conductor (Ω/km)	15.47
Max. DC Resistance Screen (Ω/km)	15.47
Nom. Capacitance Conductor to Conductor (pF/m)	164
Nom. Capacitance Conductor to Shield (pF/m)	285
Inductance (μ H/m)	0.66
Max. Recommended Current at 30℃ (Amps)	8.0
Max. Operating Voltage (Vrms)	600

Reference Standards

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