

Twinax DataTray 600V Cable, 2C 18AWG, Overall Screen & Braiding with PVC Sheath

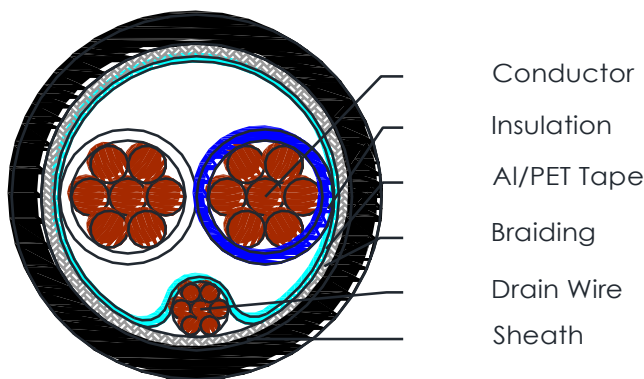


CI 129

Applications

Screened Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



- Conductor
- Insulation
- Al/PET Tape
- Braiding
- Drain Wire
- Sheath

Design

Unit	Properties
Conductor	Tinned Copper wire, 18AWG flexible
Insulation	Polyolefin Core 1: Natural Core 2: Blue
Screen	Aluminium/Polyester
Drain wire	Tinned Copper wire
Braiding	Tinned copper wire
Sheath	Flame-Retardant Polyvinyl Chloride with UV-Resistance (PVC) Standard colour: Black
Standard Put Up Length	305 meters

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

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C1129

Physical Characteristics

Part Number	C1129
No of cores x 18AWG (7 x 26)	2
Nom. Diameter Conductor(mm)	1.17
Nom. Insulation Diameter(mm)	4.17
Screen Coverage (%)	115
Drain Wire Size (AWG)	20(7 x 28)
Braiding Coverage (%)	55
Nom. Overall Diameter(mm)	11.7
Operating Temperature (°C)	-40°C to +75°C
Max. Recommended Pulling Tension (N)	414
Min. Bend Radius (install)(mm)	117
Nominal Cable Weight (kg/km)	133

Electrical Characteristics at 20°C

Part Number	C1129
No of cores x 18AWG (7 x 26)	2
Impedance at 1MHz (Ω)	124
Max. DC Resistance Conductor (Ω /km)	22.7
Max. DC Resistance Screen (Ω /km)	9.29
Capacitance conductor to conductor (pF/m)	40.4
Nom. Inductance (μ H/m)	0.59
Nom. Velocity of Propagation	64.5
Nom. Delay (ns/m)	5.19
Max. Operating Voltage (Vrms)	600
Nom. Attenuation (dB/100m)	
Frequency at 1MHz	1.12
Frequency at 10MHz	3.51
Frequency at 50MHz	7.85
Frequency at 100MHz	11.1
Frequency at 200MHz	15.7
Frequency at 400MHz	22.2

Reference Standards

(BS) EN 50290-2	IEC 60332-1
IEC 60228	RoHS directives