

Instrumentation cable – 2pr 18 & 22AWG

Power Limited Tray Cable, 300v Individual&Overall Screen,
PVC Sheath



C2815

Applications

Power limited tray cable (PLTC) is designed for installation indoors or outdoors, aerially, in conduits, ducts and cable trays in circuits not exceeding 300 volts. PLTC is often used in industrial control systems, intercom systems, burglar alarms and point-of-sale systems.

Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Insulation	Cross Linked Polyethylene (XLPE) Colours for pairs: Black & White with numbers Communication wire: Orange
Individual Drain Wire	Tinned Copper wire
Individual Screen	Aluminium/Polyester tape
Overall Drain Wire	Tinned Copper wire
Overall Screen	Aluminium/Polyester tape
Rip cord	Nylon yarn
Sheath Material	UV Resistant & Fire resistant Low smoke Polyvinyl Chloride (LSF 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	C2815
No of pairs	2
Pair 1 Nom. Conductor Configuration (AWG)	22(7x30)
Pair 1 Insulation Diameter (mm)	1.58
Pair 2 Nom. Conductor Configuration (AWG)	18(7x26)
Pair 2 Insulation Diameter (mm)	2.0
Individual Drain Wire size (AWG)	24(7x32)
Individual Screen Coverage (%)	115
Overall Drain Wire size (AWG)	24(7x32)
Overall Screen Coverage (%)	115
Nom. Radial Thickness Sheath (mm)	1.1
Nom. Overall Diameter (mm)	9.5
Operating Temperature (°C)	-30/ +105
Max. Recommend. Pulling Tension (N)	520
Min. Bend Radius (install) (mm)	95
Nominal Cable Weight (kg/km)	84

Electrical Characteristics

Part Number	C2815
No of pairs	2
Pair 1 Max. DC Resistance Conductor (Ω /km)	57.4
Pair 1 Max. DC Resistance Screen (Ω /km)	78.5
Pair 2 Max. DC Resistance Conductor (Ω /km)	22.7
Pair 2 Max. DC Resistance Screen (Ω /km)	78.5
Max. Operating Voltage (Vrms)	300

Reference Standards

IEC 60228	IEC 60332-3-24
BS/EN 50290	IEC 61034
RoHS directives	