

Instrumentation cable – 1 pr&2pr

22AWG Power Limited Tray Cable, 300V Unscreened, PVC Sheath

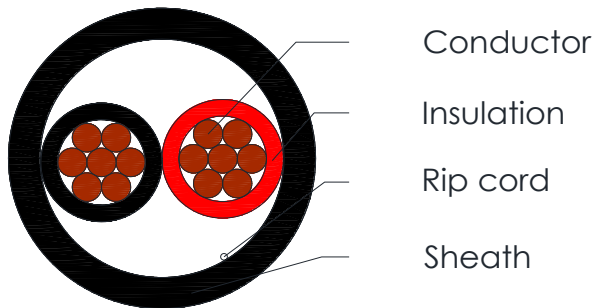


C2699, C2819

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.

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	Polyvinyl Chloride Colours for pairs: Black & Red with numbers
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	C2699	C2819
No of pairs	1	2
Nom. Conductor Configuration (AWG)	22(7x30)	
Insulation Diameter (mm)	1.58	
Nom. Radial Thickness Sheath (mm)	0.95	
Nom. Overall Diameter (mm)	5.0	7.9
Operating Temperature (°C)	-30/ +105	
Max. Recommend. Pulling Tension (N)	85	160
Min. Bend Radius (install) (mm)	50.8	79.0
Nominal Cable Weight (kg/km)	25	49

Electrical Characteristics

Part Number	C2699	C2819
No of pairs	1	2
Impedance (Ω)	90	
Nom. DC Resistance Conductor (Ω /km)	49.2	
Nom. Capacitance conductor to conductor (pF/m)	85	
Nom. Inductance (μ H/m)	0.69	
Max. Operating Voltage (Vrms)	300	
Max. Recommended Current at 25°C (Amps)	5.8	

Reference Standards

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