

Instrumentation cable – 1 pr

20 to 12AWG Power Limited Tray Cable, 300v Unscreened, PVC Sheath

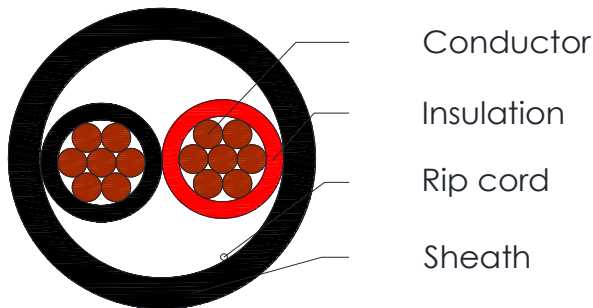


C2825, C2826, C2827, C2828, C2829

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
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	C2825	C2826	C2827	C2828	C2829
No of pairs	1				
Nom. Conductor Size (AWG)	20	18	16	14	12
Nom. Conductor Configuration (AWG)	19x32	19x30	19x29	42x30	65x30
Insulation Diameter (mm)	1.75	2.15	2.30	3.05	3.63
Nom. Radial Thickness Sheath (mm)	0.95	0.95	0.95	1.1	1.1
Nom. Overall Diameter (mm)	5.5	5.9	6.6	8.2	9.4
Operating Temperature (°C)	-30/ +105				
Max. Recommend. Pulling Tension (N)	115	138	178	285	876
Min. Bend Radius (install) (mm)	55	59	66	82	94
Nominal Cable Weight (kg/km)	34	40	51	83	113

Electrical Characteristics

Part Number	C2825	C2826	C2827	C2828	C2829
No of pairs	1				
Nom. DC Resistance Conductor (Ω /km)	31.2	19.6	13.8	8.3	5.9
Nom. Capacitance conductor to conductor (pF/m)	85	98	102	89	82
Nom. Inductance (μ H/m)	0.62	0.59	0.59	0.59	0.59
Max. Operating Voltage (Vrms)	300				
Max. Recommended Current at 25°C (Amps)	7.6	8.4	9.6	12	17

Reference Standards

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