

Instrumentation Cable – 12 to 18C, 16AWG, Screened Tray Cable, 600V, HFFR-LSZH Sheath

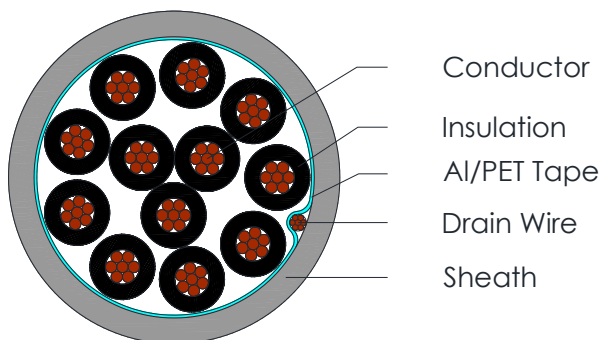


C2900, C2901, C2902, C2903, C2904, C2905, C2906

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 Bare Copper wire
Insulation	Cross Linked Polyethylene (XLPE) Identification for cores Black with serial numbers marking
Screen	Al/PET Tape
Drain Wire	Tinned copper wire
Sheath Material	Halogen Free Fire Retardancy (HFFR-LSZH) Standard Colour: Grey RAL 7001
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	C2900	C2901	C2902	C2903	C2904	C2905	C2906
No of cores	12	13	14	15	16	17	18
Nom. Conductor Configuration (AWG)	16(7x24)						
Nom. Drain wire (AWG)	24 (7x32)						
Nom. Radial Thickness Sheath (mm)	1.10	1.10	1.10	1.50	1.50	1.50	1.50
Nom. Overall Diameter (mm)	13.4	14.1	14.1	15.7	15.7	16.5	16.5
Operating Temperature (°C)	-30 / +90						
Max. Recommend. Pulling Tension (N)	1865	2025	2176	2332	2490	2646	2800
Min. Bend Radius (install) (mm)	134	141	141	157	157	165	165
Nominal Cable Weight (kg/km)	266	286	303	350	367	389	406

Electrical Characteristics at 20°C

Part Number	C2900	C2901	C2902	C2903	C2904	C2905	C2906
No of cores	12	13	14	15	16	17	18
Max. DC Resistance Conductor (Ω /km)	15.47						
Max. Recommended Current at 25°C (Amps)	8.0						
Max. Operating Voltage (Vrms)	600						

Reference Standards

IEC 60332-3-24
IEC 60754-1&-2
IEC 61034
IEC 60228
BS) EN 50290
RoHS directives