

Instrumentation Cable – 5 to 18C, 16AWG, Screened Tray Cable, 600V, HFFR-LSZH Sheath

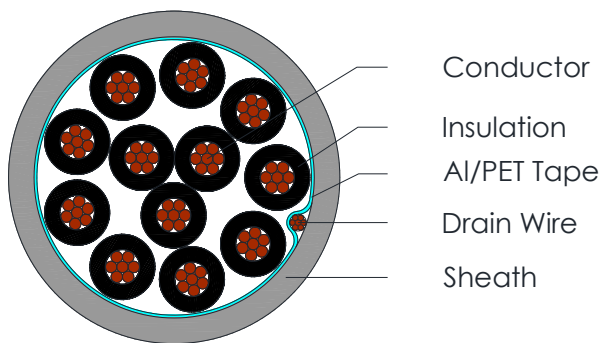


**C2893, C2894, C2895, C2896, C2897, C2898, C2899, C2900, C2901, C2902,
C2903, C2904, C2905, C2906**

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	C2893	C2894	C2895	C2896	C2897	C2898	C2899	C2900	C2901	C2902	C2903	C2904	C2905	C2906
No of cores	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Nom. Conductor Configuration (AWG)	16(7x24)													
Nom. Drain wire (AWG)	24 (7x32)													
Nom. Radial Thickness Sheath (mm)	0.8	0.8	1.0	1.0	1.10	1.10	1.10	1.10	1.10	1.10	1.50	1.50	1.50	1.50
Nom. Overall Diameter (mm)	8.7	9.4	9.9	10.7	11.9	12.7	13.4	13.4	14.1	14.1	15.7	15.7	16.5	16.5
Operating Temperature (°C)	-30 / +90													
Max. Recommend. Pulling Tension (N)	775	930	1085	1240	1395	1550	1710	1865	2025	2176	2332	2490	2646	2800
Min. Bend Radius (install) (mm)	87	94	99	107	119	127	134	134	141	141	157	157	165	165
Nominal Cable Weight (kg/km)	110	132	154	176	200	221	243	266	286	303	350	367	389	406

Electrical Characteristics at 20°C

Part Number	C2893	C2894	C2895	C2896	C2897	C2898	C2899	C2900	C2901	C2902	C2903	C2904	C2905	C2906
No of cores	5	6	7	8	9	10	11	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