

Instrumentation Cable – 1 pr to 50pr

18AWG, Tray Cable, 600v

Overall Screen, PVC Sheath

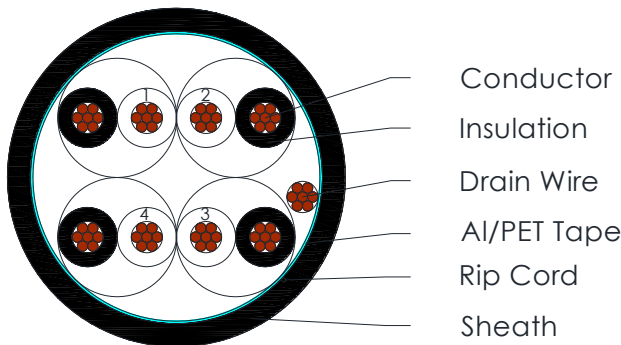


C2755, C2756, C2757, C2758, C2759, C2760, C2761, C2762, C2763

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	Polyvinyl Chloride/Nylon Colours for pairs: Black & White with numbers
Drain Wire	Tinned Copper wire
Screen	Aluminium/Polyester tape
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	C2755	C2756	C2757	C2758	C2759	C2760	C2761	C2762	C2763
No of pairs	1	2	4	8	12	16	24	36	50
Nom. Conductor Configuration (AWG)	18(7x26)								
Drain Wire size (AWG)	24(7x32)								
Screen Coverage (%)	115								
Nom. Radial Thickness Sheath (mm)	1.2	1.2	1.2	1.6	1.6	1.6	2.1	2.1	2.1
Nom. Overall Diameter (mm)	6.8	10.3	12.0	15.2	18.3	20.1	25.8	29.8	34.9
Operating Temperature (°C)	-30 / +90								
Max. Recommend. Pulling Tension (N)	300	500	900	1700	2500	3300	4900	7300	10000
Min. Bend Radius (install) (mm)	68	103	120	152	183	204	258	298	349
Nominal Cable Weight (kg/km)	54	105	158	288	400	505	779	1079	1458

Electrical Characteristics

Part Number	C2755	C2756	C2757	C2758	C2759	C2760	C2761	C2762	C2763
No of pairs	1	2	4	8	12	16	24	36	50
Max. DC Resistance Conductor (Ω /km)	22.7								
Max. DC Resistance Screen (Ω /km)	78.5								
Max. Operating Voltage (Vrms)	600								

Reference Standards

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