

Instrumentation Cable – 1 pr to 50pr

16AWG, Tray Cable, 600v

Overall Screen, PVC Sheath

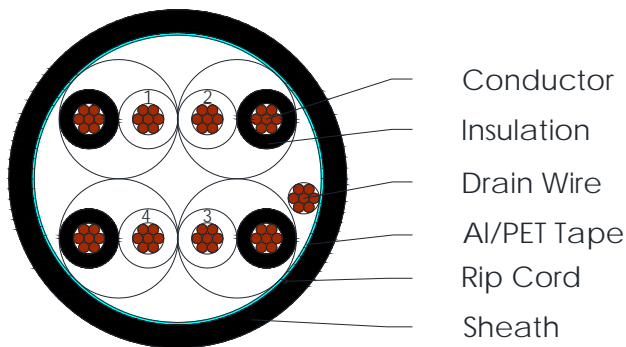


C2764, C2765, C2766, C2767, C2768, C2769, C2770, C2771, C2772, C2773

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	C2764	C2765	C2766	C2767	C2768	C2769	C2770	C2771	C2772	C2773
No of pairs	1	2	3	4	8	12	16	24	36	50
Nom. Conductor Configuration (AWG)	16(7x24)									
Drain Wire size (AWG)	24(7x32)									
Screen Coverage (%)	115									
Nom. Radial Thickness Sheath (mm)	1.2	1.2	1.35	1.6	1.6	1.6	2.1	2.1	2.1	2.1
Nom. Overall Diameter (mm)	7.7	11.5	12.3	14.2	17.2	20.6	24.0	29.4	33.5	39.4
Operating Temperature (°C)	-30 / +90									
Max. Recommend. Pulling Tension (N)	467	800	1110	1430	2700	3970	5240	8420	11600	16000
Min. Bend Radius (install) (mm)	77	115	123	142	172	206	240	294	335	394
Nominal Cable Weight (kg/km)	67	134	177	242	396	552	759	1090	1518	2054

Electrical Characteristics

Part Number	C2764	C2765	C2766	C2767	C2768	C2769	C2770	C2771	C2772	C2773
No of pairs	1	2	3	4	8	12	16	24	36	50
Max. DC Resistance Conductor (Ω /km)	15.47									
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