

# Instrumentation Cable – 1 pr to 50pr

16AWG, Tray Cable, 600v

Overall Screen, SWA Armoured, PVC Sheath

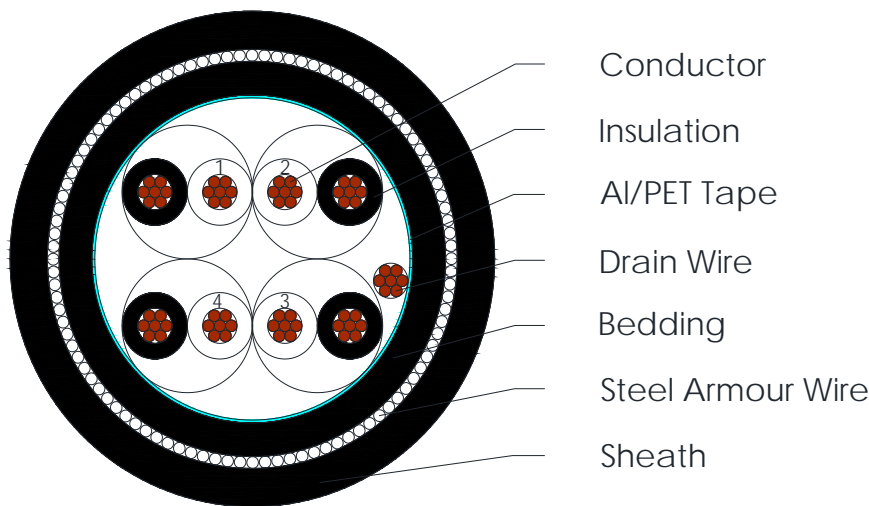


C2787, C2788, C2789, C2790, C2791, C2792, C2793, C2794, C2795, C2796

## Applications

Tray cable (TC) is designed for installation indoors or outdoors, direct bury, 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
Bedding	Polyvinyl Chloride (PVC) Standard Colour: Black
Armour	Steel Armour wire
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	C2787	C2788	C2789	C2790	C2791	C2792	C2793	C2794	C2795	C2796
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. Bedding Diameter (mm)	7.7	11.5	12.3	14.2	17.2	20.6	24.0	29.4	33.5	39.4
Armour wire diameter (mm)	0.90									
Nom. Overall Diameter (mm)	12.5	16.3	17.1	19.0	22.0	25.4	29.8	35.2	39.3	45.2
Operating Temperature (°C)	-30 / +90									
Min. Bend Radius (install) (mm)	225	294	310	342	396	457	536	634	707	814
Nominal Cable Weight (kg/km)	315	465	537	645	901	1152	1525	2050	2660	3398

## Electrical Characteristics

Part Number	C2787	C2788	C2789	C2790	C2791	C2792	C2793	C2794	C2795	C2796
No of pairs	1	2	3	4	8	12	16	24	36	50
Max. DC Resistance Conductor ( $\Omega$ /km)	15.47									
Max. DC Resistance Screen ( $\Omega$ /km)	78.5									
Max. Operating Voltage (Vrms)	600									

## Reference Standards

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