

Instrumentation Cable – 2 to 14C, 16AWG, Unscreened Tray Cable, 600V, PVC Sheath

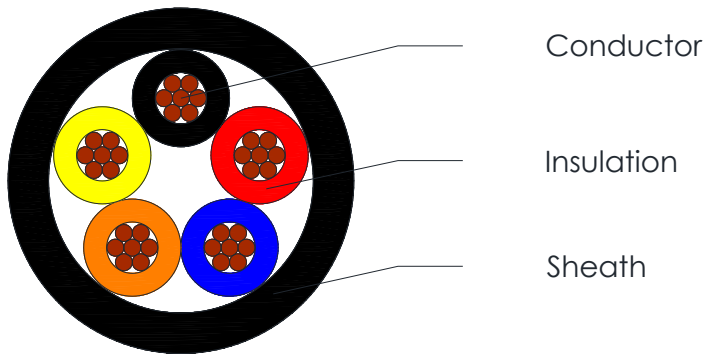


C2821, C2822, C2823, C2824, C2839, C2872, C2873, C2874, C2876, C2878, C2891

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 cores: 1. Black 2. Red 3. Blue 4. Orange 5. Yellow 6. Brown 7. Red/Black 8. Blue/Black 9. Orange/Black 10. Yellow/Black 11. Brown/Black 12. Black/Red 13. Blue/Red 14. Orange/Red
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.

Instrumentation Cable – 2 to 14C, 16AWG, Unscreened Tray Cable, 600V, PVC Sheath



C2821, C2822, C2823, C2824, C2839, C2872, C2873, C2874, C2876, C2878, C2891

Physical Characteristics

Part Number	C2821	C2822	C2823	C2824	C2839	C2891	C2872	C2873	C2874	C2876	C2878
No of cores	2	3	4	5	6	7	8	9	10	12	14
Nom. Conductor Configuration (AWG)	16(7x24)										
Nom. Radial Thickness Sheath (mm)	1.2										
Nom. Overall Diameter (mm)	7.7	8.2	8.8	9.7	10.2	10.5	11.3	11.8	13.2	13.8	15.2
Operating Temperature (°C)	-30 / +90										
Max. Recommend. Pulling Tension (N)	310	466	623	778	934	1089	1244	1399	1554	1865	2176
Min. Bend Radius (install) (mm)	77	82	88	97	102	105	113	118	132	138	152
Nominal Cable Weight (kg/km)	67	82	103	123	143	162	181	205	221	259	302

Electrical Characteristics at 20°C

Part Number	C2821	C2822	C2823	C2824	C2839	C2891	C2872	C2873	C2874	C2876	C2878
No of cores	2	3	4	5	6	7	8	9	10	12	14
Max. DC Resistance Conductor (Ω/km)	15.47										
Max. Recommended Current at 25°C (Amps)	8.0	7.0	7.0	6.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Max. Operating Voltage (Vrms)	600										

Reference Standards

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