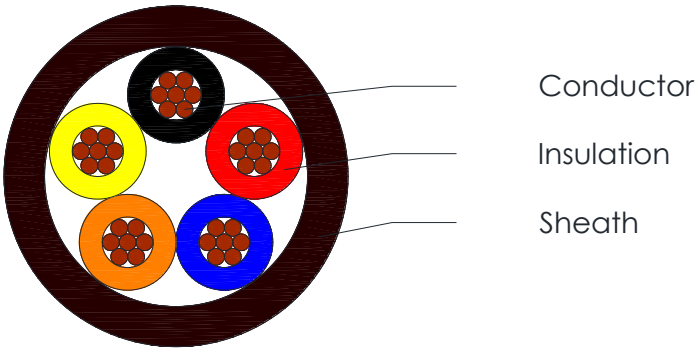
Instrumentation Cable – 2 to 14C,16AWG, Unscreened Tray Cable, 600V, PVC Sheath

C7011, C7012, C7013, C7014, C7015, C7017, C7019, C7021, C7023

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.

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Physical Characteristics

Part Number	C7011	C7012	C7013	C7014	C7015	C7017	C7019	C7021	C7023
No of cores	2	3	4	5	6	8	10	12	14
Nom. Conductor Configuration （AWG）	16(7x24)								
Nom. Radial Thickness Sheath (mm)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Nom. Overall Diameter (mm)	7.6	8.0	8.6	9.3	10.1	10.9	12.7	13.0	14.5
Operating Temperature (°C)	-30 / +90								
Max. Recommend. Pulling Tension (N)	310	466	623	778	934	1244	1554	1865	2176
Min. Bend Radius (install) (mm)	76	80	86	93	101	109	127	130	145
Nominal Cable Weight (kg/km)	73	88	108	128	147	185	225	262	305

Electrical Characteristics at 20°C

Part Number	C7011	C7012	C7013	C7014	C7015	C7017	C7019	C7021	C7023
No of cores	2	3	4	5	6	8	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
Max. Operating Voltage (Vrms)	600								

Reference Standards

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