

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

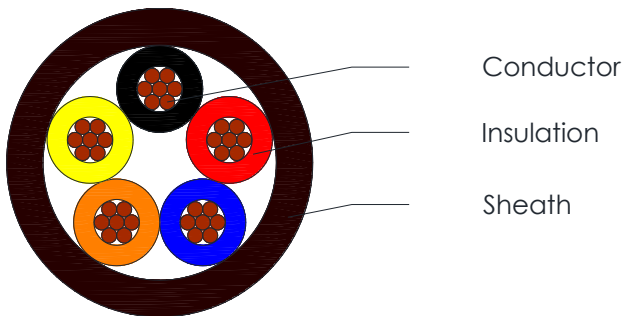


C7024, C7025, C7026, C7027, C7028, C7030, C7032, C7034, C7036

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	C7024	C7025	C7026	C7027	C7028	C7030	C7032	C7034	C7036
No of cores	2	3	4	5	6	8	10	12	14
Nom. Conductor Configuration (AWG)	14(7x22)								
Nom. Radial Thickness Sheath (mm)	1.20	1.20	1.20	1.20	1.20	1.20	1.60	1.60	1.60
Nom. Overall Diameter (mm)	8.04	8.80	9.41	10.21	11.2	12.20	15.00	15.40	16.26
Operating Temperature (°C)	-30 / +90								
Max. Recommend. Pulling Tension (N)	481	721	961	1202	1442	1922	2403	2884	3364
Min. Bend Radius (install) (mm)	80.4	88.0	94.1	102.1	112.0	122.0	150.0	154.0	162.6
Nominal Cable Weight (kg/km)	102.1	128.9	157.1	184.3	217.0	265.0	352.7	409.2	475.1

Electrical Characteristics at 20°C

Part Number	C7024	C7025	C7026	C7027	C7028	C7030	C7032	C7034	C7036
No of cores	2	3	4	5	6	8	10	12	14
Max. DC Resistance Conductor (Ω/km)	9.36								
Max. Recommended Current at 25°C (Amps)	25.0	15.0	12.0	12.0	12.0	12.0	7.5	7.5	7.5
Max. Operating Voltage (Vrms)	600								

Reference Standards

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