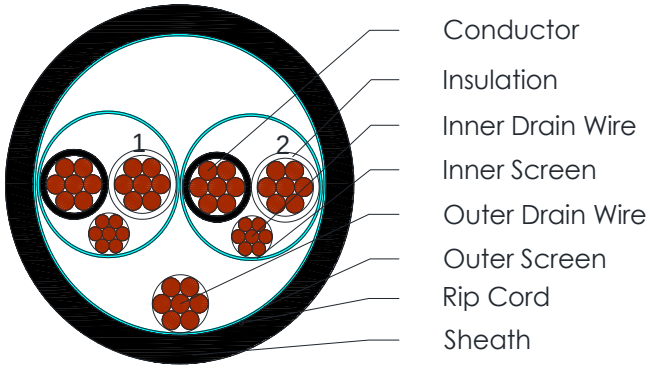
Instrumentation Cable – 2 to 6pr, 16AWG, Individual &Overall Screen Tray Cable, 600V, PVC Sheath

C3864, C3865, C3866, C3867

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 Tinned Copper wire
Insulation	XLPE Colours for pairs: Black & White with Numbers
Inner Drain Wire	Tinned Copper wire
Inner Screen	Aluminium/Polyester tape
Outer Drain Wire	Tinned Copper wire
Outer 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	C3864	C3865	C3866	C3867
No of pairs	2	3	4	6
Nom. Conductor Configuration（AWG）	16			
Inner Drain Wire size (AWG)	18			
Outer Drain Wire size (AWG)	16			
Screen Coverage (%)	115			
Nom. Radial Thickness Sheath (mm)	1.20	1.20	1.60	1.60
Nom. Overall Diameter (mm)	10.5	12.1	14.6	17.0
Operating Temperature (°C	-30 / +90			
Max. Recommend. Pulling Tension (N)	990	1410	1828	2665
Min. Bend Radius (install) (mm)	108	120	146	170
Nominal Cable Weight (kg/km)	156	223	267	325

Electrical Characteristics at 20℃

Part Number	C3864	C3865	C3866	C3867
No of pairs	2	3	4	6
Nom. Characteristic Impedance (Ω)	-	-	-	50
Nom. DC Resistance Conductor (Ω/km)	12.1			
Nom. Outer Shield DC Resistance (Ω/km)	10.6			
Ind. Pair Nom. Shield DC Resistance (Ω/km)	16.7			
Max. Operating Voltage (Vrms)	600			

Reference Standards

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