

# Instrumentation Cable – Triad

18 to 12AWG, Tray Cable, 600v  
Overall Screen, PVC Sheath

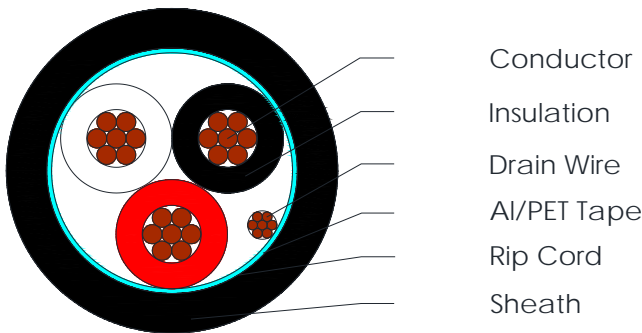


**C2774, C2775, C2776, C2777**

## 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 pairs: Black & White & Red
Drain Wire	Tinned Copper wire
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	C2774	C2775	C2776	C2777
No of Triad	1			
Nom. Conductor Configuration (AWG)	18(7x26)	16(7x24)	14(7x22)	12(7x20)
Drain Wire size (AWG)	24(7x32)			
Screen Coverage (%)	115			
Nom. Radial Thickness Sheath (mm)	1.2	1.2	1.2	1.2
Nom. Overall Diameter (mm)	7.2	7.9	9.2	10.0
Operating Temperature (°C)	-25 / +75			
Max. Recommend. Pulling Tension (N)	400	570	890	1400
Min. Bend Radius (install) (mm)	72	79	92	100
Nominal Cable Weight (kg/km)	66	100	144	190

## Electrical Characteristics

Part Number	C2774	C2775	C2776	C2777
Nom. Conductor Configuration (AWG)	18(7x26)	16(7x24)	14(7x22)	12(7x20)
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7	15.47	9.36	5.61
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