



Part Number: 21457

1000V Type TC/CIC, (3) 4 AWG (7x12) BC+Grd, FR-XLPE/FR-PVC

Product Description

Three 4 AWG stranded (7x12) bare copper conductors plus ground wire, flame retardant cross-linked polyethylene insulation, flame retardant PVC jacket.

Product Specifications

Technical Specifications

Suitable Applications:	Analog signal transmission; factory floor; cable trays
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Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	4	7x12	BC - Bare Copper	3
Ground Wire	8	7x16	BC - Bare Copper	

Insulation:

Material
Uninsulated
FR-XLPE - Cross Linked Polyethylene

Color Chart 1:

Number	Color
1	Black
2	Red
3	Blue

Stranding:

Lay Length

Y mm

Cabling 1:

Filler

Polypropylene

Outershield 1:

Material

Unshielded

Outerjacket 1:

Material	Nominal Diameter	Ripcord	Separator Material
FR PVC - Flame Retardant Polyvinyl Chloride	0.923 in	Yes	PP

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR

0.26 Ohm/1000ft

Voltage:

Non-UL Description	Non-UL Voltage Rating
CSA TC	600

Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	1002 lbs

Safety

CSA Flammability:	FT4
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Temperature Range

Installation Temp Range:	-25°C To +90 °C
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Non-UL Temp Rating:	90°C
Operating Temp Range:	-40°C To +90°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	9.3 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

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