



**Part Number:** 21451

1000V Type TC/CIC, (3) 8 AWG (7x16) BC+Grd, FR-XLPE/FR-PVC

## Product Description

Three 8 AWG stranded (7x16) bare copper conductors plus ground wire, flame retardant cross-linked polyethylene insulation, flame retardant PVC jacket.

## Product Specifications

## Technical Specifications

<b>Suitable Applications:</b>	Analog signal transmission; factory floor; cable trays
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## Construction and Dimensions

### Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	8	7x16	BC - Bare Copper	3
Ground Wire	10	7x18	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	0.646 in	Yes	PP

## Electrical Characteristics

## Conductor DCR:

### Nominal Conductor DCR

0.64 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:	399 lbs

## Safety

CSA Flammability:	FT4
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## Temperature Range

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

## Mechanical Characteristics

<b>Min Bend Radius/Minor Axis:</b>	6.5 in
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## Part Number

<b>Plenum (Y/N):</b>	No
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## Standards

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

## History

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