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please call

1-800-Belden1



### General Description:

1 pair, 16 AWG, Stranded (7x24) Tinned Copper, 100% Beldfoil Shield, Tinned Copper Drain Wires, XLP Insulation, LSZH jacket, Bronze Braid Armor

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	16	7x24	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material
XLP - Cross-linked Polyolefin

#### Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
18	7x26	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
LSZH- Low Smoke Zero Halogen

Outer Jacket Ripcord: Yes

#### Outer Jacket over Armor

Outer Jacket Material Over Armor:

OJ Over Armor Material
LSZH- Low Smoke Zero Halogen

#### Armor

Armor Type: Bronze Braid

#### Overall Cable

Overall Nominal Diameter: 12.929 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Blue & Orange

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +90°C

UL Temperature Rating: 90C Wet/Dry

## 772127T Multi-Conductor - DataBus® Fieldbus Cable

<b>Bulk Cable Weight:</b>	223.230 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	413.683 N
<b>Min. Bend Radius/Minor Axis:</b>	127 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	TC
<b>CSA Specification:</b>	AWM I A/B II A/B, C22.2 #230 Type TC; C22.2#239 Type CIC
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>IEEE Specification:</b>	45
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	IEC 61158-2 (ISA/SP-50) Type A, ABS Type Approval 13-HS1104623B

#### Flame Test

<b>UL Flame Test:</b>	UL1685 FT4 Loading
<b>CSA Flame Test:</b>	FT4
<b>IEC Flame Test:</b>	60332-3-22 (Category A)
<b>IEEE Flame Test:</b>	1202

#### Suitability

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	Yes
<b>Sunlight Resistance:</b>	Yes
<b>Oil Resistance:</b>	No

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Unaveraged Impedance:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	.03125			100

#### Nom. Inductance:

<b>Inductance (µH/m)</b>
0.722

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
72.182

#### Maximum Capacitance Unbalance:

<b>Capacitance (pF/m)</b>
3.9372

#### Nominal Velocity of Propagation:

<b>VP (%)</b>
64.000

METRIC MEASUREMENT VERSION

## 772127T Multi-Conductor - DataBus® Fieldbus Cable

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
13.780

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
0.039	0.213

### Max. Attenuation:

()	Freq. (MHz)	Attenuation (dB/100m)
0.298571	0.039	0.299

### Max. Operating Voltage - UL:

Voltage
600 V RMS

### Max. Operating Voltage - Other:

Voltage	Description
600 V RMS	CSA CIC type TC

### Max. Recommended Current:

Description	Current
Per Conductor	11.6 Amps

**Other Electrical Characteristic 1:** Max Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 ps/ft

**Other Electrical Characteristic 2:** 31.25 KBits/sec

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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