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please call

1-800-Belden1



General Description:

2 pair, 16 AWG, Stranded (7x24) Tinned Copper, 600V, Individually Foil Shielded Pairs, Overall Beldfoil Shield, Tinned Copper Drain Wires, XLP Insulation, Haloarrest XLink 2 jacket, Bronze Braid Armor

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	16	7x24	TC - Tinned Copper

Total Number of Conductors: 4

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 Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
16	7x24	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Haloarrest Xlink 2

Outer Jacket Ripcord: Yes

Outer Jacket over Armor

Outer Jacket Material Over Armor:

OJ Over Armor Material
Haloarrest Xlink 2

Aarmor

Armor Type: Bronze Braid

Overall Cable

Overall Nominal Diameter: 20.320 mm

Pair**Pair Color Code Chart:**

Number	Color
1	Blue & Orange Numbered 1
2	Blue & Orange Numbered 2

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +90°C
UL Temperature Rating:	90C Wet/Dry
Bulk Cable Weight:	505.988 Kg/Km
Max. Recommended Pulling Tension:	991.949 N
Min. Bend Radius/Minor Axis:	203.200 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	TC-ER
EU Directive 2011/65/EU (ROHS II):	Yes
IEEE Specification:	45
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	IEC 61158-2 (ISA/SP-50) Type A, ABS Type Approval 13-HS1085604

Flame Test

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

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes
Oil Resistance:	Yes - Oil Res II

Plenum/Non-Plenum

Plenum (Y/N):	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:

Inductance (µH/m)
0.722

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

72.182

Maximum Capacitance Unbalance:**Capacitance (pF/m)**

3.9372

Nominal Velocity of Propagation:**VP (%)**

64.000

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**

600V 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
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Other Electrical Characteristic 2:	31.25 KBits/sec
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
972128Z 0105000	5,000 FT	1,985.000 LB	BLACK		2FSPR#16XLPOFSTSNHBBRDARM TSNH

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