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1-800-Belden1



General Description:

16 AWG stranded (19x29) tinned copper conductors, PP insulation, twisted pair, LSZH jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	16	19x29	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.457

Inner Shield

Inner Shield Material:

Inner Shield Material
Unshielded

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
LSZH - Low Smoke Zero Halogen	0.813

Overall Cable

Overall Nominal Diameter: 6.452 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & White

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
50.8	19.686

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	47.622 Kg/Km
Max. Recommended Pulling Tension:	271.340 N
Min. Bend Radius/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 05/08/2012

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

Flame Test

UL Flame Test: UL1685 FT4 Loading

C(UL) Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Non-halogenated: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)

0.558

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

55.777

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

14.7317

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

7.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8471ZH 0101000	1,000 FT	34.000 LB	BLACK		2 #16 PO NHFRPO_
8471ZH 010500	500 FT	19.000 LB	BLACK		2 #16 PO NHFRPO_

8471ZH Multi-Conductor - GreenChoice Multi Conductor

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