

8471NH Multi-Conductor - GreenChoice Multi Conductor



For more Information
please call

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 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
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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
8471NH 0101000	305 MT	17.237 KG	BLACK		2 #16 PO NHFRPO_

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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