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1-800-Belden1



General Description:

18 AWG stranded (16X30) tinned copper conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, LSZH jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	16x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.445

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester	100.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
LSZH - Low Smoke Zero Halogne	0.711

Overall Cable

Overall Nominal Diameter: 5.639 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 40.181 Kg/Km

Max. Recommended Pulling Tension: 275.788 N

Min. Bend Radius/Minor Axis: 57.150 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): 05/10/2012

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

8760NH Multi-Conductor - GreenChoice Multi Conductor

CA Prop 65 (CJ for Wire & Cable):	Yes
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	UL AWM Style 21305

Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA 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. Characteristic Impedance:

Impedance (Ohm)
57.000

Nom. Inductance:

Inductance (µH/m)
0.591

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
97.774

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
144.364

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.327

Max. Operating Voltage - UL:

Voltage
300 VRMS

Max. Recommended Current:

Current
5.2 Amps per conductor @ 25C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8760NH 0601000	1,000 FT	30.000 LB	CHROME	C	2 #18 LDPE SH NH LS/FRPO
8760NH 060500	500 FT	15.000 LB	CHROME	C	2 #18 LDPE SH NH LS/FRPO

Notes:

C = CRATE REEL PUT-UP.

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