

# Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



## 8772NH Multi-Conductor - GreenChoice Multiconductor



For more Information  
please call

1-800-Belden1



### Description:

20 AWG stranded (7x28) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, LSZH jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	20	7x28	TC - Tinned Copper

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.432

#### Outer Shield

Outer Shield Material:

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

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 Halogen	0.838

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
50.800	19.686

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Clear

Overall Nominal Diameter: 5.537 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

Bulk Cable Weight: 41.670 Kg/Km

Max. Recommended Pulling Tension: 200.169 N

Min. Bend Radius/Minor Axis: 50.800 mm

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## 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):	05/07/2012
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
Other Specification:	UL AWM 21307

### 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. Capacitance Conductor to Conductor:

Capacitance (pF/m)
88.587

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
167.331

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
32.81

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
29.2009

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Recommended Current:

Current
4 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8772NH 0601000	305 MT	13.608 KG	CHROME		3 #20 PO FS NHFRPO
8772NH 060500	152 MT	7.258 KG	CHROME		3 #20 PO FS NHFRPO

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