



For more Information  
please call

1-800-Belden1



## General Description:

22 AWG stranded (7x30) tinned copper conductors, twisted pairs, polypropylene insulation, individually Beldfoil® shielded (100% coverage), 22 AWG stranded tinned copper drain wire each pair, LSZH jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
3	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 6

### Insulation

#### Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PP - Polypropylene	0.254	1.27

### Inner Shield

#### Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Stranding	Dia. (mm)	Conductor Material
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100			

#### Inner Shield Drain Wire AWG:

AWG
22

Inner Shield Separator Material: Polyester tape

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
LSZH - Low Smoke Zero Halogen	0.864

### Overall Cable

Overall Nominal Diameter: 6.934 mm

### Pair

#### Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

#### Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
44.45	22.508

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C

Bulk Cable Weight: 62.504 Kg/Km

## 8777NH Multi-Conductor - GreenChoice Multi Conductor

Max. Recommended Pulling Tension: 351.408 N

Min. Bend Radius/Minor Axis: 69.850 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): 08/01/2005

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 21088

#### 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. Characteristic Impedance:

Impedance (Ohm)

50

#### Nom. Inductance:

Inductance (µH/m)

0.59058

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

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

Capacitance (pF/m)

180.455

#### Nominal Velocity of Propagation:

VP (%)

66

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 34.779 Ohm/km

#### Max. Operating Voltage - UL:

## 8777NH Multi-Conductor - GreenChoice Multi Conductor

**Voltage**

300 V RMS (CMG)

**Max. Recommended Current:**

**Current**

2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8777NH 0601000	305 MT	20.865 KG	CHROME	C	3 SHLD PR #22 PO FRNHPO
8777NH 060500	152 MT	10.886 KG	CHROME		3 SHLD PR #22 PO FRNHPO

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 0    Revision Date: 06-15-2012

© 2013 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.