



For more Information  
please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, LSZH jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PP - Polypropylene	0.216	1.168

#### Inner Shield

##### Inner Shield Material:

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

##### Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### 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	0.864

#### Overall Cable

Overall Nominal Diameter: 4.978 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
38.1	26.248

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	35.717 Kg/Km
Max. Recommended Pulling Tension:	186.824 N
Min. Bend Radius/Minor Axis:	50.800 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG-LS
CEC/C(UL) Specification:	CMG-LS
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):	11/13/2006
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, Limited Smoke
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)  
52.000

### Nom. Inductance:

Inductance (µH/m)  
0.55777

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
108.273

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

Capacitance (pF/m)  
203.422

### Nominal Velocity of Propagation:

VP (%)  
66

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

METRIC MEASUREMENT VERSION

## 8723NH Multi-Conductor - GreenChoice Multi Conductor

48.2307

**Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:** 49.215 Ohm/km

**Max. Operating Voltage - UL:**

**Voltage**  
300 V RMS

**Max. Recommended Current:**

**Current**  
2.3 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8723NH 0601000	305 MT	11.793 KG	CHROME		2 SH PR #22 PP FRNHPO
8723NH 060500	152 MT	6.124 KG	CHROME		2 SH PR #22 PP FRNHPO

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.