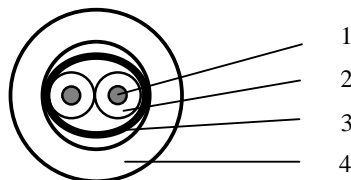


**APPLICATION**

Instrumentation and computer cable for data transmission applications.

**CONSTRUCTION**



<b>1. Conductor</b>	AWG16 (19xAWG29) tinned Cu
<b>2. Insulation</b>	
Material	Flame retardant polyethylene
Diameter over insulation	2.67 ± 0.05 mm
Colour of insulation	Black and white
<b>3. Foil</b>	
Material	Polyester
Thickness	23 µm
<b>4. Sheath</b>	
Material	FRNC (UV stabilised)
Colour	Chrome (like RAL 7037)
Thickness of sheath	0.89 ± 0.05 mm
Diameter over sheath	7.10 ± 0.10 mm


**REQUIREMENTS AND TEST METHODS**

**Electrical:**

Nominal resistance conductor	14.7 Ω/km
Nominal capacitance conductor to conductor	52 pF/m
Nominal inductance of pair	0.62 µH/m
Testvoltage conductor-conductor	2500 VDC, 3 seconds
Voltage rating	300 V RMS
Maximum continues current per conductor @ 20 °C	7.1 A

**Mechanical and physical:**

Flame resistance	IEC 332-3C
Oil resistance	ASTMD471
Radiation resistance	IEC544 (CERN)
Application specification	BS 7655 section 6.1 table 1, LTS 3
Temperature range installing	-15 to +80 °C
Temperature range operating (moving installation)	-15 to +80 °C
Temperature range operating (fixed installation)	-45 to +80 °C
Temperature range storage	-45 to +80 °C
Minimum bending radius	10 x cable diameter
Maximum pulling tension	127 N

	<b>TECHNICAL DATA SHEET</b>	code	<b>8471NH</b>
		version	<b>3</b>
		date	<b>2005-11-03</b>
	<b>8471NH</b>	page	<b>2/2</b>

### MARKING

Colour code 2173: chrome sheath with text 'BELDEN V 8471NH 1PR 16AWG LSNH IEC 332 PART 1'

### PACKAGING

On non-returnable reels with a nominal length of 305m (-0, +10%) or on non-returnable reels with a nominal length of 500m (-0, +10%) or on non-returnable reels with a nominal length of 1000m (-0, +10%).

Each reel is labelled with the following data:

Belden Logo. Belden code number. Item description. Length on the reel. Date of manufacture. CE-marking.



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.