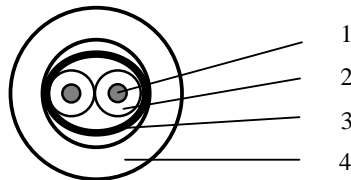


APPLICATION

Instrumentation and computer cable for data transmission applications.

CONSTRUCTION



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


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

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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.