

	TECHNICAL DATA SHEET	code	7702NH
		version	3
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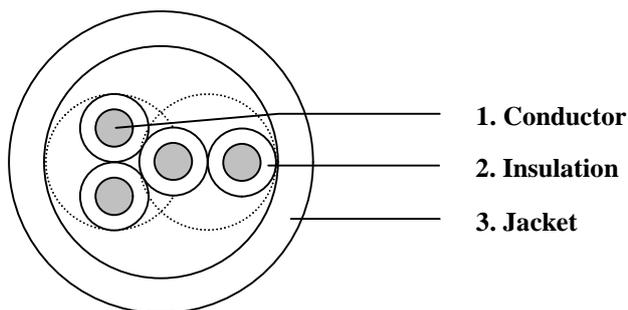
OVERVIEW CODES

Code number	Color code xxxx	Put-up yyy	Color	Put-up length
50007	3534	000	White	305 -0/+30 meter

APPLICATION

Instrumentation and computer cables for data transmission applications.

CONSTRUCTION



1. Conductor

Material Solid bare copper
Dimensions 0.64 mm (AWG22)

2. Insulation

Material Polyethylene
Diameter 1.12 +/- 0.05 mm
Minimum wall thickness 0.23 mm
Colors in twisted pairs white/blue and blue/white; orange/white and white/orange; ring marking
Laylength white-blue pair 21.6 mm
Laylength white-orange pair 25.8 mm
Stranding elements 2 pairs
Stranding lay 80 mm

3. Jacket

Material FRNC
Diameter 5.20 +/- 0.4 mm
Minimum wall thickness 0.5 mm
Color White (like RAL 9003)

REQUIREMENTS AND TEST METHODS

Electrical:

Nominal impedance (1-20 MHz)	100 Ohm
Nominal attenuation at 0.772 MHz	1.3 dB/100m
1 MHz	1.5 dB/100m
4 MHz	3.1 dB/100m
10 MHz	4.9 dB/100m
16 MHz	6.3 dB/100m
20 MHz	6.9 dB/100m

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Nominal NEXT at	1 MHz	59 dB
	4 MHz	50 dB
	10 MHz	44 dB
	16 MHz	41 dB
	20 MHz	40 dB
Nominal capacitance conductor to conductor @ 1kHz		46 pF/m
Nominal conductor DC resistance @ 20°C		55 Ohm/km
Maximum operating voltage		300 V rms
Maximum continuous current per conductor		2.5 A

Mechanical and physical:

Maximum pulling tension	50 N
Minimum bending radius	80 mm
Copper weight	11.7 kg/km
Total weight	31.2 kg/km
Temperature rating	-15 to + 80 °C
Flame resistance	IEC 60332-3C
Applicable specification	BS 7655 Section 6.1 table 1 LTS 3

MARKING

Color code	Jacket color	RAL	Text
3534	White	9003	BELDEN 7702NH 2 PAIR 22 AWG LSNH IEC 60332-3C

Datemarking: Yes; format YYDDD, where YY = 2 digit year number, and DDD = day of the year
 Metermarking: Yes

PACKAGING

Put-up code	Put-up length	Put-up type
000	305 -0/+30 meter	Non-returnable reel

Each reel is labeled with the following data:
 Belden Logo. Belden code number. Item description.
 Length on the reel. Date of manufacture. CE-marking.

Nominal values are for information only.



Belden declares 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.