

	TECHNICAL DATASHEET		EPN 7701NH
			date 2003-02-24
			repl.
	7701 NH (D2Y-NH 2x0.64 mm)		page 1/2

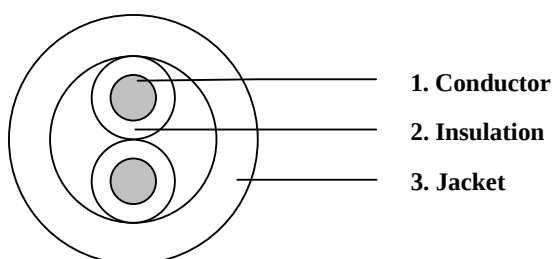
OVERVIEW CODES

Code number	Color code xxxx	Put-up yyy	Color	Put-up length	Belden-EIW part number
50006	3536	000	White	305 -0/+30 meter	BG6628.1
50006	3536	500	White	500 -0/+50 meter	BG6628.2

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 1.17 +/- 0.05 mm
Minimum wall thickness 0.23 mm
Colors in twisted pair white/blue and blue/white; ring marking
Stranding lay 30 mm

3. Jacket

Material FRNC
Diameter 3.50 +/- 0.4 mm
Min. wall thickness 0.45 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
Nominal capacitance conductor to conductor @ 1kHz	46 pF/m
Nominal conductor DC resistance @ 20°C	55 Ohm/km
Maximum operating voltage	300 V rms

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Maximum continuous current per conductor 2.5 A

Mechanical and physical:

Maximum pulling tension 50 N
Minimum bending radius 80 mm
Copper weight 5.8 kg/km
Total weight 15.9 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	Sheath color	RAL	Text
3536	White	9003	BELDEN 7701NH 1 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
500	500 -0/+50 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.