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
2. Insulation
3. Jacket
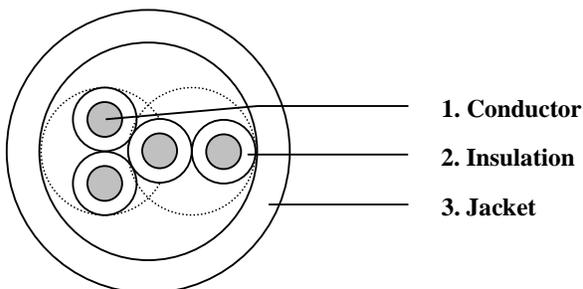
1. Conductor
Material	Solid bare copper
Dimensions	0.64 mm (AWG22)

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
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.