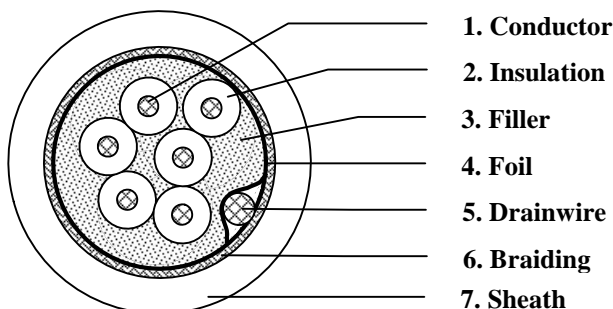
	<b>TECHNICAL DATA SHEET</b>		code	<b>9843NH</b>
			version	<b>3</b>
			date	<b>2009-09-14</b>
	<b>9843NH</b>		page	<b>1/2</b>

## APPLICATION

Instrumentation and computer cable for EIA RS-485 data transmission applications.

## CONSTRUCTION




<b>1. Conductor</b>	AWG24 (7xAWG32) tinned Cu
<b>2. Insulation</b>	
Material	Polyethylene
Diameter over insulation	1.73 ± 0.05 mm
Colour of insulation	Pair #1: White/blue and blue/white Pair #2: White/orange and orange/white Pair #2: White/green and green/white
<b>3. Filler</b>	Polypropylene
<b>4. Foil (Z-fold®)</b>	
Material	Aluminium / Polyester
Thickness	9 / 23 µm
<b>5. Drainwire</b>	AWG24 (7xAWG32) tinned Cu
<b>6. Braiding</b>	
Material	0.122 mm tinned Cu
Coverage	90%
<b>7. Sheath</b>	
Material	FRNC
Colour	Chrome (like RAL 7037)
Nominal Wall thickness	0.89 mm
Nominal diameter	9.10 mm

## REQUIREMENTS AND TEST METHODS

### Electrical:

Nominal resistance conductor	78.7 Ω/km
Nominal resistance shield	7.7 Ω/km
Nominal capacitance conductor to conductor	42.0 pF/m
Nominal capacitance conductor to shield + other cond.	75.5 pF/m
Nominal impedance @ 1 MHz	120 Ω
Nominal velocity of propagation	66 %
Nominal delay	5.2 ns/m
Nominal attenuation @ 1 MHz	1.97 dB/100m
Testvoltage conductor-conductor	2500 VDC, 3 seconds

	<b>TECHNICAL DATA SHEET</b>		code	<b>9843NH</b>
			version	<b>3</b>
			date	<b>2009-09-14</b>
	<b>9843NH</b>		page	<b>2/2</b>

Test voltage conductor-screen  
Voltage rating

2500 VDC, 3 seconds  
300 V RMS (CM application)  
30 V RMS (AWM application)

Maximum continuous current per conductor @ 25 °C

1.54 A

### **Mechanical and physical:**

Flame resistance  
Applicable specification  
Temperature range processing and operating  
Temperature range storage  
Minimum bending radius  
Maximum pulling tension

IEC 60332-3-C  
BS 7655 section 6.1 table 1, LTS 3  
-15 to +80 °C  
-30 to +80 °C  
10 x cable diameter  
470 N

### **PACKAGING**

On non-returnable reels with a length of 1000m (-0, +0%).

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 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.

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