# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## S1331NH Multi-Conductor - DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cable



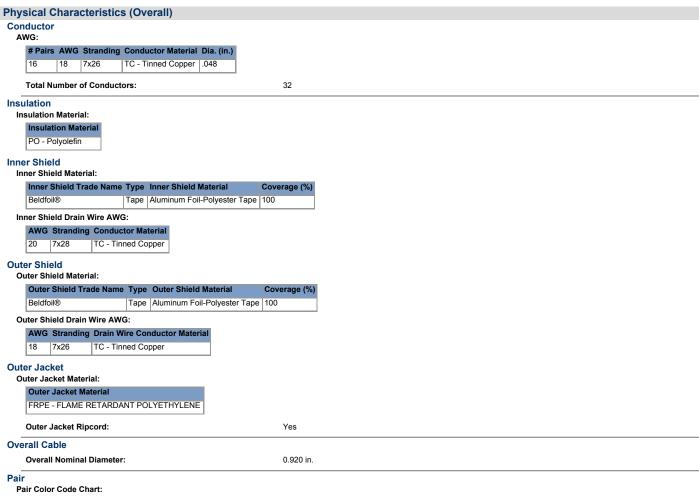
For more Information please call

1-800-Belden1



### **General Description:**

18 AWG stranded (7x26) tinned copper conductors, polyolefin insulation, individual & overall Beldfoil® shield (100% coverage), tinned copper drain wire, LSZH jacket.



Number	Color
1	Blue & Orange Numbered 1
2	Blue & Orange Numbered 2
3	Blue & Orange Numbered 3
4	Blue & Orange Numbered 4
5	Blue & Orange Numbered 5
6	Blue & Orange Numbered 6
7	Blue & Orange Numbered 7
8	Blue & Orange Numbered 8
9	Blue & Orange Numbered 9
10	Blue & Orange Numbered 10
11	Blue & Orange Numbered 11
12	Blue & Orange Numbered 12
13	Blue & Orange Numbered 13
14	Blue & Orange Numbered 14
15	Blue & Orange Numbered 15

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| 16 | Blue & Orange Numbered 16 |
| Pair Lay Length & Direction:
| Lay Length (in.) Twists (twist/ft) |
| 2.000 | 6.000 |

-30°C To +90°C
90°C
940 lbs.
9.200 in.
verall)
CM, ITC, PLTC
CM
Yes
Yes
Yes
Yes
03/28/2008
Yes
Yes
Yes
Yes
UL1685 UL Loading
60332-3-24 (Category C)
Yes
Yes
Yes
Yes

No

# **Electrical Characteristics (Overall)**

Unaveraged Impedance:

Plenum/Non-Plenum
Plenum (Y/N):

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	.03125			100

Nom. Inductance:

Inductance (µH/ft) .19

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 45.0

Nom. Mutual Capacitance:

Capacitance (pF/ft) 24.0

Maximum Capacitance Unbalance:

Capacitance (pF/ft)
1.2

Nominal Velocity of Propagation:

**VP (%)** 

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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5.86
Nominal Outer Shield DC Resistance:
DCR @ 20°C (Ohm/1000 ft)
4.9
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 7.500 Ohm/1000 ft
Nom. Attenuation:
Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Attenuation (dB/100 ft.)
.039
Max. Attenuation:
() Freq. (MHz) Attenuation (dB/100 ft.)
.091   0.039   0.091
Max. Operating Voltage - UL:
Voltage
300 V RMS
Max. Recommended Current:
Description Current
Per Conductor 5.2 Amps
Other Electrical Characteristic 1: Max Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 pS/ft
Other Electrical Characteristic 2: 31.25 KBits/sec
Put Ups and Colors:

Revision Number: 0 Revision Date: 01-01-1900

Putup

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Color

Notes

Item Desc

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Ship Weight

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