Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



S1332NH Multi-Conductor - DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cable



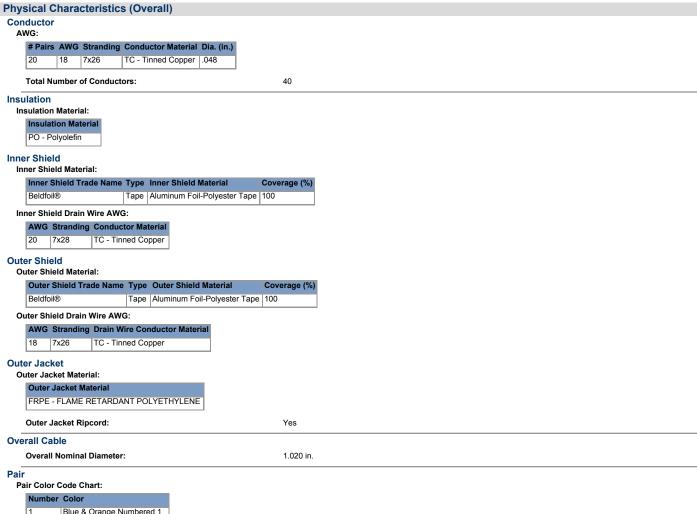
For more Information please call

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
17	Blue & Orange Numbered 17
18	Blue & Orange Numbered 18
19	Blue & Orange Numbered 19
20	Blue & Orange Numbered 20

Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)
2.000	6.000

Mechanical Characteristics (Overall)	
Operating Temperature Range:	-30°C To +90°C
UL Temperature Rating:	90°C
Max. Recommended Pulling Tension:	1148 lbs.
Min. Bend Radius/Minor Axis:	10.200 in.
Applicable Specifications and Agency Complian	ce (Overall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CM, ITC, PLTC
CEC/C(UL) Specification:	CM, CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes

09/01/2006

Yes

Yes Yes

CA Prop 65 (CJ for Wire & Cable
MII Order #39 (China RoHS):

EU Directive 2003/11/EC (BFR):

EU RoHS Compliance Date (mm/dd/yyyy):

EU Directive 2002/96/EC (WEEE):

F	ame	Test

UL Flame Test:	UL1685 UL Loading
IEC Flame Test:	60332-3-24 (Category C)

Suitability

Suitability - Indoor:	
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes

Oil Resistance:	No
Non-halogenated:	Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Unaveraged Impedance:

Description F	req. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
.0	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

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Nominal Velocity of Propagation:

VP (%)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 5.86

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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:

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:

Ship Weight Color Notes Item Desc

Revision Number: 0 Revision Date: 06-18-2008

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

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