



Part Number: 8762NH

Audio, Control, and Instrumentation Cable Overall Beldfoil® Shield

[Request Sample](#)

Product Description

20 AWG stranded (7x28) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, LSZH jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass B2ca
Suitable Applications:	Instrumentation and computer cable; For data transmission applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	1

Conductor Count:	2
Conductor Size:	20 AWG

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Polyethylene	1.78 mm	0.05 mm	0.016 in

Color Chart

Number	Color
Pair 1	Black & Clear

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Z-fold®	100 %	9 / 12 µm	TC - Tinned Copper	AWG20/7	7x28 mm

Outer Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	Chrome (RAL 7037)	5.4 mm	0.9 mm

Construction and Dimensions

Stranding

Twists
6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
31.2 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
88.6 pF/m	160.8 pF/m

Inductance

Nominal Inductance	Nominal Pair Inductance
0.18 μ H/ft	0.591 μ H/m

Impedance

Nominal Characteristic Impedance
56 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
66 %

Current

Element	Max. Recommended Current [A]
Conductor	3.9 A

Voltage

UL Voltage Rating	Voltage Rating [V]
300 V RMS	300 V

Temperature Range

Installation Temp Range:	-15°C To +80°C
UL Temp Rating:	75°C
Storage Temp Range:	-45°C To +80°C
Operating Temp Range:	-30°C To +75°C
Operating Temp Range (Flexible Install):	-15°C To +80°C
Operating Temp Range (Fixed Install):	-45°C To +80°C

Mechanical Characteristics

Oil Resistance:	IEC 60811-404
Bulk Cable Weight:	21 lbs/1000ft
Max Recommended Pulling Tension:	210 N
Min Bend Radius During Installation:	54 mm
Min Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
CPR Euroclass:	B2ca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-27

Applicable Environmental and Other Programs

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading
ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

UL voltage rating:	300 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Length
8762NH.001000	Chrome	1,000 m
8762NH.00152	Chrome	152 m
8762NH.00305	Chrome	305 m
8762NH.00500	Chrome	500 m
8762NH.K01000	Chrome	1,000 m
8762NH.K0305	Chrome	305 m
8762NH.02305	Chrome	305 m
8762NH.01500	White	500 m
8762NH.011000	White	1,000 m

History

Update and Revision:	Revision Number: 0.242 Revision Date: 05-07-2019
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