



**Part Number: 9501NH**

Computer Cable for EIA RS-232 Applications

**Product Description**

24 AWG stranded (7x32) TC conductors, PE insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain Wire, LSZH jacket, Flame resistance IEC 60332-3C

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor - Euroclass Dca
Suitable Applications:	Instrumentation and computer cable; For EIA RS-232 data transmission applications

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors	No. of Pairs
24	7x32	TC - Tinned Copper	2	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	24 AWG

**Insulation**

Material	Nominal Diameter	Diameter +/- Tolerance
Polyethylene	1.12 mm	0.05 mm

**Color Chart**

Number	Color
Pair 1	Black & Red

**Outer Shield Material**

Type	Material	Material Trade Name	Thickness of Foil	Drainwire Material	Drainwire AWG
Tape	Aluminum/Polyester	Beldfoil®	9 / 12 µm	TC - Tinned Copper	AWG24/7

**Outer Jacket Material**

Material	Color	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	Chrome (RAL 7037)	4.15 mm	0.9 mm

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
78.7 Ohm/km	59.1 Ohm/km

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
131.2 pF/m	242.8 pF/m

**Impedance**

Frequency [MHz]	Nominal Characteristic Impedance
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N/A	75 Ohm
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#### Current

Element	Max. Recommended Current [A]
Conductor	2.2 A

#### Voltage

Voltage Rating [V]
300 V

#### Temperature Range

Installation Temp Range:	-15°C To +80°C
Storage Temp Range:	-45°C To +80°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
Max Recommended Pulling Tension:	50 N
Min Bend Radius During Installation:	41.5 mm

#### Standards

CPR Euroclass:	Dca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-27

#### Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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#### Flammability, LSOH, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

#### Part Number

#### Variants

Item #	Color	Length
9501NH.001000	Chrome	1,000 m
9501NH.00152	Chrome	152 m
9501NH.00305	Chrome	305 m
9501NH.00500	Chrome	500 m

#### History

Update and Revision:	Revision Number: 0.145 Revision Date: 05-07-2019
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