




Product: [9507NH](#) 

Computer Cable for EIA RS-232 Applications

Product Description

7-Pair, 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	14	7

Conductor Count:	14
Total Number of Pairs:	7

Insulation

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

Color Chart

Number	Color
Pair 1 (central)	Black & Red
Pair 2	Black & White
Pair 3	Black & Green
Pair 4	Black & Blue
Pair 5	Black & Yellow
Pair 6	Black & Brown
Pair 7	Black & Orange

Outer Shield Material

Type	Material	Material Trade Name	Thickness of Foil	Drainwire Material	Drainwire AWG
Tape	Aluminum/Polyester	Beldfoil®	9 / 23 µm	TC - Tinned Copper	AWG24/7

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	7.65 mm	0.9 mm

Construction and Dimensions

Cabling

Description
7 pairs twisted to cable core

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
78.7 Ohm/km	54.1 Ohm/km

Capacitance

Max. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
98.4 pF/m	164 pF/m

Impedance

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

Current

Element	Max. Recommended Current [A]
Conductor	1.5 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:	300 N
Min Bend Radius During Installation:	76.5 mm

Standards

CPR Euroclass:	Dca-s2,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, LS0H, 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
9507NH.00152	Chrome	152 m
9507NH.00305	Chrome	305 m
9507NH.00500	Chrome	500 m

History

Update and Revision:	Revision Number: 0.165 Revision Date: 02-14-2020
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