




**Product:** [9536NH](#) 

Computer Cable for EIA RS-232 Applications

## Product Description

24 AWG stranded (7x32) tinned copper conductors, 6 conductors cabled, PE insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, LSZH jacket, Flame resistance IEC 60332-3-24

## Technical Specifications

### Product Overview

Environmental Space:	Indoor - Euroclass B2ca
Suitable Applications:	Instrumentation and computer cable; For EIA RS-232 data transmission applications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
24	7x32	TC - Tinned Copper	6

Conductor Count:	6
Total Number of Pairs:	0

#### Insulation

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

#### Color Chart

Number	Color
Wire 1	Black
Wire 2	White
Wire 3	Red
Wire 4	Green
Wire 5	Brown
Wire 6	Blue

#### 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	Nominal Diameter	Nominal Wall Thickness
LSZH / FRNC (UV stabilised)	5.5 mm	0.9 mm

## Construction and Dimensions

#### Cabling

Description	Filler
1 center filler and 6 wires twisted to cable core	Cotton (White)

## Electrical Characteristics

## Conductor DCR

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

## Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
108.3 pF/m	213.3 pF/m

## Impedance

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

## Current

Element	Max. Recommended Current [A]
Conductor	1.75 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:	150 N
Min Bend Radius During Installation:	55 mm

## Standards

CPR Euroclass:	B2ca-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
9536NH.001000	Chrome	1,000 m
9536NH.00305	Chrome	305 m
9536NH.00500	Chrome	500 m
9536NH.00100	Chrome	100 m

## History

Update and Revision:	Revision Number: 0.151 Revision Date: 02-14-2020
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