Product: 9536NH

RS-232, 6C #24 Str TC, PO ins, OS, LSZH Jkt, 300V

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

Suitable Applications:	Instrumentation and computer cable; For EIA RS-232 data transmission applications

Physical Characteristics (Overall)

Conductor

AWG	No. of Conductors
24	6

Conductor Count:	6

Insulation

Diameter +/- Tolerance
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 Trade Name	Thickness of Foil	Drainwire Material	Drainwire AWG
Beldfoil®	9 / 12 µm	TC - Tinned Copper	AWG24/7

Construction and Dimensions

Cabling

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

Electrical Characteristics

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(s)	1.75 Amps per Conductor

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temperature Range:	-15°C To +80°C
Storage Temperature 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. Pull Tension:	150 N
Min. Bend Radius During Installation:	55 mm

Standards

CPR Euroclass:	Dca-s2,d1,a1
CENELEC Compliance:	EN 50290-2-20

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Dca

Suitability

Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2, IEC 60332-3-24
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
9536NH.00100	Chrome	Reel	100 m	8719605176936
9536NH.00305	Chrome	Reel	305 m	8719605021939
9536NH.00500	Chrome	Reel	500 m	8719605021946
9536NH.001000	Chrome	Reel	1,000 m	8719605021922

History

Update and Revision:	Revision Number: 0.228 Revision Date: 02-03-2025