



Product: [9504NH](#) 

RS-232, 4PR #24 Str TC, PO ins, OS, LSZH Jkt, 300V, Dca

Product Description

4-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

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

Conductor

Size	Stranding	Material
24	7x32	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene	1.12 mm (0.0441 in)	Black & Red, Black & White, Black & Green, Black & Blue

Outer Shield

Shield Type	Material
Tape	Bi-Laminate (Alum+Poly)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.9 mm (0.035 in)	6.9 mm (0.27 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
78.7 Ohm/km (24.0 Ohm/1000ft)	98.4 pF/m (30.0 pF/ft)	164 pF/m (50.0 pF/ft)	1.5 Amps per Conductor

Nom Outer Shield DCR: 55.8 Ohm/km (17.0 Ohm/1000ft)

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

Installation	Storage
-15°C To +80°C	-45°C To +80°C

Bend Radius

Installation Min.
69 mm (2.7 in)

Max. Pull Tension:	200 N (45 lbf)
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor - Euroclass Dca, Indoor, Outdoor, Non-Halogenated, Sunlight Resistance - UL 1581 sec 1200 Black Only, Oil Resistance - IEC 60811-404
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24
CPR Compliance:	CPR Euroclass: Dca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 μ S/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3, IEC 61034-2 - Smoke Density Min. Transmittance = 60%
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.237 Revision Date: 03-09-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
9504NH.00152	Chrome	Reel	152 m	8719605021212
9504NH.00305	Chrome	Reel	305 m	8719605021229
9504NH.00500	Chrome	Reel	500 m	8719605021236
9504NH.001000	Chrome	Reel	1,000 m	8719605021205

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