

Product: 8723NH

Audio, Control & Instrument, #22-2pr, PO, Indiv. Foil, LSZH Jkt, Dca

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x28) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage),24 AWG stranded tinned copper drain wire, LSZH jacket, CPR Dca

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, …); line level audio; computer communication; panel wiring

Construction Details

Conductor

Size	Stranding	Material
22	7x30	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PP - Polypropylene	1.17 mm (0.0461 in)	Black & Red, Green & White

Inner Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC	foil-out tape on each pair, one drain wire

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.65 mm (0.026 in)	4.55 mm (0.179 in)

Overall Cable Diameter (Nominal):	4.55 mm (0.179 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
49.2 Ohm/km (15.0 Ohm/1000ft)	54.5 Ohm/km (16.6 Ohm/1000ft)	115 pF/m (35.1 pF/ft)	203 pF/m (61.9 pF/ft)	45 Ohm	2.3 Amps per Conductor

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

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

Bend Radius

Installation Min.
45.5 mm (1.79 in)

Max. Pull Tension:	226 N (50.8 lbf)
Bulk Cable Weight:	24 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Dca, Indoor, Non-Halogenated, Sunlight Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24
CPR Compliance:	CPR Euroclass: Dca-s2,d1,a1; CPR UKCA Class: Dca-s2,d1,a1
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
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 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.338 Revision Date: 03-19-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
8723NH.00152	Chrome	Reel	152 m	8719605018717
8723NH.00305	Chrome	Reel	305 m	8719605018724
8723NH.00500	Chrome	Reel	500 m	8719605018731
8723NH.001000	Chrome	Reel	1,000 m	8719605018700
8723NH.01500	Red	Reel	500 m	8719605018748

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