REPRESENTATIVE IMAGE

Product: 8777NH ⧉

Audio, Control & Instrument, #22-3pr, PP, Indiv. Foil, LSZH Jkt

Product Description

Audio, Control & Instrument Cable, 3-Pair, 22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, individually shielded pairs (100% coverage), 22 AWG stranded tinned copper drain wire, LSZH jacket

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	1.27 mm (0.0500 in)	Black & Red, Black & White, Black & Green
		Red, Green, Blue

Inner Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	each pair
	Polyester			each pair

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.89 mm (0.035 in)	7.00 mm (0.276 in)

Overall Cable Diameter (Nominal):	7.00 mm (0.276 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)	34.8 Ohm/km (10.6 Ohm/1000ft)	98.4 pF/m (30.0 pF/ft)	180.4 pF/m (54.99 pF/ft)	50 Ohm	2 A

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.
70 mm (2.8 in)

Max. Pull Tension:	180 N (40 lbf)
Bulk Cable Weight:	42 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-s1,d1,a1; CPR UKCA Class: Dca-s1,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: 0.335 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
8777NH.00152	Chrome	Reel	152 m	8719605019608
8777NH.00305	Chrome	Reel	305 m	8719605019615
8777NH.00500	Chrome	Reel	500 m	8719605019622
8777NH.001000	Chrome	Reel	1,000 m	8719605019592
8777NH.01500	Orange	Reel	500 m	8719605187062