

Product: 8761NH

Electronic, 2 C #22 Str TC, PE ins, OS, LSZH Jkt, 300V, Dca

Product Description

Electronic, 2 Conductor 22AWG (7x30) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, LSZH Outer 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. Thickness	Nom. Insulation Diameter	Color Code
PE - Polyethylene	0.017 in (0.43 mm)	1.57 mm (0.0618 in)	Black & Clear

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.9 mm (0.035 in)	4.95 mm (0.195 in)

Overall Cable Diameter (Nominal):	4.95 mm (0.195 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
52.5 Ohm/km (16.0 Ohm/1000ft)	78.7 pF/m (24.0 pF/ft)	154.2 pF/m (47.00 pF/ft)	64 Ohm	66%	2.9 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.

49.5 mm (1.95 in)	
Max. Pull Tension:	158 N (35.5 lbf)
Bulk Cable Weight:	15 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, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.338 Revision Date: 02-05-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
8761NH.00305	Chrome	Reel	305 m	8719605019011
8761NH.00500	Chrome	Reel	500 m	8719605019028
8761NH.001000	Chrome	Reel	1,000 m	8719605019004
8761NH.01305	White	Reel	305 m	8719605174611

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