

Product: 8760NH

Electronic, 2 C #18 Str TC, PE Ins, OS, LSZH Jkt

Request Sample

Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer 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

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18	16x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PE - Polyethylene	0.0175 in (0.445 mm)	0.082 in (2.1 mm)	Black & White

Inner Shield

Drainwire Type
20 AWG (7x28) TC

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.89 mm (0.035 in)	6.0 mm (0.24 in)

Overall Cable Diameter (Nominal):	6.0 mm (0.24 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
21.3 Ohm/km (6.49 Ohm/1000ft)	98 pF/m (30 pF/ft)	144 pF/m (43.9 pF/ft)	4.9 Amps per Conductor at 25ºC

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

Stationary Min.	Installation Min.
2.22 in (56.4 mm)	2.22 in (56.4 mm)

Max. Pull Tension:	41.6 lbs (18.9 kg)
Bulk Cable Weight:	27 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, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.579 Revision Date: 03-19-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
8760NH.01500	Black	Reel	500 m	8719605018915
8760NH.00152	Chrome	Reel	152 m	8719605018885
8760NH.00305	Chrome	Reel	305 m	8719605018892
8760NH.00500	Chrome	Reel	500 m	8719605018908
8760NH.001000	Chrome	Reel	1,000 m	8719605018878
8760NH.02500	Orange	Reel	500 m	8719605187765

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