Belden



Product: 9740ZH

Electronic, 2 C #18 Str TC, PP Ins, LSZH Jkt, CMG

Request Sample

Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PP Insulation, LSZH Outer Jacket, CMG

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 AWG	16x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.013 in (0.33 mm)	0.073 in (1.9 mm)	Black, Red

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.032 in (0.81 mm)	0.210 in

Overall Cable Diameter (Nominal):	0.210 in.

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
7.06 Ohm/1000ft	17.0 pF/ft (55.8 pF/m)	4.8 Amps per Conductor at 20ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to 75°C

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in

Max. Pull Tension:	41.6 lbs (18.9 kg)

Bulk Cable Weight:	22 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 21307
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.412 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC
9740ZH 0101000	Black	612825382614
9740ZH 010500	Black	612825382621

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