



**Product:** [8770ZH](#)

Electronic, 3 C #18 Str TC, PO Ins, OS, LSZH Jkt, CMG

[Request Sample](#)

### Product Description

Electronic, 3 Conductor 18AWG (16x30) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, CMG

### Technical Specifications

#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	18 AWG	16x30	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.018 in (0.46 mm)	0.082 in (2.1 mm)	Black, Red, Transparent

##### 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)	0.033 in (0.84 mm)	0.246 in

Overall Cable Diameter (Nominal): 0.246 in

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
7.13 Ohm/1000ft	24 pF/ft (79 pF/m)	48 pF/ft (160 pF/m)	69 Ohm	5 Amps per Conductor at 25°C

##### 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.
2.46 in (62.5 mm)	2.46 in

Max. Pull Tension: 74 lbs (34 kg)

Bulk Cable Weight: 37 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Non-Halogenated
Flammability / Reaction to Fire:	UL 1685 FT4 Loading
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 21305
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, 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: 0.195 Revision Date: 05-05-2023
----------------------	--

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
8770ZH 060500	Chrome	Reel	500 ft	612825382478
8770ZH 0601000	Chrome	Reel	1,000 ft	612825382461

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.