BELDEN

Product: 9729ZH ↗

Electronic, 2 Pr #24 Str TC, PO Ins, OS+TC Brd, LSZH Jkt, CMG

🎁 **Request Sample**

Product Description

Electronic, 2 Pair 24AWG (7x32) Tinned Copper, PO Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, LSZH Outer Jacket, CMG

Technical Specifications

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	2	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.0185 in (0.470 mm)	0.061 in (1.5 mm)	Black and Red, Black and White

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.048 in (1.2 mm)	0.266 in

Overall Cable Diameter (Nominal):	0.266 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	Nom. Velocity of Prop.	Max. Current
28.8 Ohm/1000ft	17.42 Ohm/1000ft (57.15 Ohm/km)	12.5 pF/ft (41.0 pF/m)	23.2 pF/ft (76.1 pF/m)	100 Ohm	76%	8.4 Amps per Conductor at 30ºC

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.
2.66 in (67.6 mm)	2.66 in

Max. Pull Tension:	27.5 lbs (12.5 kg)
Bulk Cable Weight:	33 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Indoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 21088
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.283 Revision Date: 05-05-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
9729ZH 060500	Chrome	Reel	500 ft	612825382348
9729ZH 0601000	Chrome	Reel	1,000 ft	612825382331