

Product: 8762ELV

Electronic, 2 C #20 Str TC, PE ins, OS, LSNH Jkt, 300V, B2ca

Request Sample

Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket, B2ca

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation and computer cable; For data transmission applications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	1

Conductor Count:	2

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
PE - Polyethylene	1.78 mm	0.05 mm	0.016 in

Color Chart

Number	Color
Pair 1	Black & Clear

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil® (Z-Fold®)	100%	9 / 12 µm	TC - Tinned Copper	AWG20/7	7x28

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.0 mm	1.15 mm

Construction and Dimensions

Stranding

Twists
6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
31.2 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
88.6 pF/m	160.8 pF/m

Inductance

Nominal Inductance	Nominal Pair Inductance
0.18 µH/ft	0.591 µH/m

Impedance

Nominal Characteristic Impedance
56 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]
66%

Current

Element	Max. Recommended Current [A]
Conductor(s)	3.9 Amps per Conductor

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temperature Range:	-15°C To +80°C
Storage Temperature Range:	-45°C To +80°C
Operating Temp Range (Flexible Install):	-15°C To +80°C
Operating Temp Range (Fixed Install):	-45°C To +80°C

Mechanical Characteristics

Oil Resistance:	IEC 60811-404
Max. Pull Tension:	210 N
Min. Bend Radius During Installation:	60 mm
Min. Bend Radius/Minor Axis:	2 in

Standards

CPR Euroclass:	B2ca-s1,d1,a1
CENELEC Compliance:	EN 50290-2-20

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass B2ca
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

Item #
8762ELV.00305
8762ELV.00500
8762ELV.02305

History

Update and Revision:	Revision Number: 0.41 Revision Date: 02-03-2025

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