

Part Number: 8762

Audio/Control/Instrumentation, (1 pr) 20 AWG (7x28)
TC, PE/PVC, Foil Shld, CM

Product Description

One 20 AWG pair stranded (7x28) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.017 in

Color Chart 1:

Number	Color
1	Black & Clear

Cabling 1:

Lay Length	Lay Direction	Twists
2 in	Left Hand	6 twist/ft

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.204 in	0.028 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
9.5 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
27 pF/ft	49 pF/ft

Impedance:

Nominal Characteristic Impedance
56 Ohm

Current:

Element	Max. Recommended Current [A]
10C temperature rise	3.9 Amps per conductor @ 25°C ambient

Inductance:

Nominal Inductance
0.18 µH/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	46 lbs

Safety

CSA Flammability:	FT1
UL Flammability:	UL1685 UL Loading

Temperature Range

Operating Temp Range:	-20°C To +60°C
UL Temp Rating:	60°C (UL AWM Style 2092)

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.25 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC Articles:	NEC Articles
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
8762 06010000	CHROME	Reel	10000 ft
8762 06010001	CHROME	Reel	10000 ft
8762 0601000	CHROME	Reel	1000 ft
8762 060100	CHROME	Reel	100 ft
8762 0602000	CHROME	Reel	2000 ft
8762 060250	CHROME	Reel	250 ft
8762 060500	CHROME	Reel	500 ft
8762 060U1000	CHROME	UnReel	1000 ft
8762 060U500	CHROME	UnReel	500 ft
8762.00U152	CHROME	UnReel	152 ft
8762.00U305	CHROME	UnReel	305 ft
8762.01152	CHROME	Reel	152 ft
8762.01153	CHROME	Reel	153 ft
8762.01305	CHROME	Reel	305 ft
8762.01U305	CHROME	UnReel	305 ft

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