



**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.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	20 AWG

#### Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.017 in

#### Color Chart

Number	Color
1	Black & Clear

#### Outer Shield Material

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

#### Outer Jacket Material

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

### Construction and Dimensions

#### Cabling

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

### 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

Shielding:	Foil(s) or Copper Tape(s)
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#### Inductance

Nominal Inductance
0.18 µH/ft

## Impedance

### Nominal Characteristic Impedance

56 Ohm

## Current

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

## Voltage

### UL Voltage Rating

300V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	21 lbs/1000ft
Max Recommended Pulling Tension:	46 lbs
Min Bend Radius/Minor Axis:	2.25 in

## Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
UL AWM Style:	UL Style 2092 (300 V 60°C)
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1
UL Voltage Rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Footnote
8762.00U152	CHROME	
8762.00U305	CHROME	
8762.01152	CHROME	
8762.01305	CHROME	
8762 060100	CHROME	

8762 0601000	CHROME	C
8762 06010000	CHROME	C Y
8762 0602000	CHROME	C
8762 060250	CHROME	
8762 060500	CHROME	C
8762 060U1000	CHROME	
8762 060U500	CHROME	

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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