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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





**Part Number: 8762**

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

[Request Sample](#)

## 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/Polyester	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 Direction	Twists
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)	

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

300 V 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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