



Product: [8728](#)

Special Audio, 2 Pair 22 AWG TC, Shielded, CM

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Product Description

Audio, 2 Pair 22 AWG stranded (7x30) TC conductors, polypropylene insulation, cabled in pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded TC drain wires, CM, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	2

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Material	Nominal Diameter
PP - Polypropylene	0.05 in

Color Chart

Number	Color
1	Black & Red
2	White & Green

Inner Shield

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Layer 1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	Stranded
Tape	Layer 2	Polyester		100%		TC - Tinned Copper	

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	Stranded

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.215 in	0.028 in

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
16.6 Ohm/1000ft	17 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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35 pF/ft	62 pF/ft
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Inductance

Nominal Inductance
0.18 µH/ft

Impedance

Nominal Characteristic Impedance
50 Ohm

Delay

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

Current

Max. Recommended Current [A]
2.3 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 2717)

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2717)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	28 lbs/1000ft
Max. Pull Tension:	36.4 lbs
Min. Bend Radius/Minor Axis:	2.25 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM
UL AWM Style Compliance:	UL Style 2717 (300 V 80°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS (UL AWM Style 2717)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
8728 060500	Chrome	Reel	500 ft	612825214687
8728 060U500	Chrome	UnReel	500 ft	612825214755
8728 0601000	Chrome	Reel	1,000 ft	612825214670
8728 060U1000	Chrome	UnReel	1,000 ft	612825214656
8728 0605000	Chrome	Reel	5,000 ft	612825214649

Footnote: C - CRATE REEL PUT-UP.

Product Notes

Notes: Each pair Beldfoil« shielded with individual drain wire plus a polyester film over each shield.

History

Update and Revision: Revision Number: 0.422 Revision Date: 12-15-2021

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