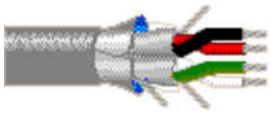
Part Number: 8728



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

Request Sample

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

Environmental Space:	Indoor (Not Riser or Plenum)
Suitable Applications:	Special Audio, Communication and Instrumentation Cable

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
Conductor Size:	22 AWG

Insulation

Material	Nominal Diameter
PP - Polypropylene	0.05 in

Color Chart

Number	Color
1	Black & Red
2	White & Green

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Layer 1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	Stranded
Tape	Layer 2	Polyester Tape		100 %		TC - Tinned Copper	

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	24	Stranded mm

Outer Jacket Material

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
35 pF/ft	62 pF/ft

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 @ 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 Recommended Pulling Tension:	36.4 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 2717 (300 V 80°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

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS (UL AWM Style 2717)

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
8728 0601000	Chrome	C
8728 060500	Chrome	C
8728 0605000	Chrome	C
8728 060U1000	Chrome	
8728 060U500	Chrome	
8728 0605000	Chrome	

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

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

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