

Part Number: 8421

Audio & Instrumentation, 25 AWG TC, O/A Braid, CM



Product Description

25 AWG Stranded (7x33) Tinned Copper/Tinned Copper Covered Steel conductor, FPE insulation, tinned copper spiral wrapped shield (85% coverage), PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
Suitable Applications:	Audio Connecting Cable

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Coax
25	7x33	TC/TCCS -Tinned Copper/Tinned Copper Covered Steel	1

Conductor Count:	1
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Insulation

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.125 in

Outer Shield Material

Type	Material	Coverage [%]
Spiral Serve	TC - Tinned Copper	85 %

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.18 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
32.27 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield
16 pF/ft

Impedance

Nominal Characteristic Impedance
80 Ohm

Current

Max. Recommended Current [A]
1.9 Amps per conductor @ 25°C

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	15 lbs/1000ft
Max Recommended Pulling Tension:	5 lbs
Min Bend Radius (Overall):	2 in

Standards

CPR Euroclass:	Fca
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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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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC	Length
8421 060250	Black	612825206538	250 ft

History

Update and Revision:	Revision Number: 0.245 Revision Date: 08-22-2019
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