

**Product:** [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**

Suitable Applications:	Audio Connecting Cable
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Coax
25	7x33	TC+TCCS - Tinned Copper (High Conductivity) + Tinned Copper Covered Steel (High Conductivity)	1
Conductor Count:			1

**Insulation**

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.125 in

**Outer Shield Material**

Type	Material	Coverage [%]
Spiral Serve / Screen	Tinned Copper (TC)	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 at 25°C

**Voltage**

<b>Non-UL Voltage Rating</b>
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. Pull Tension:	5 lbs
Min Bend Radius (Overall):	2 in

## Standards

CPR Euroclass:	Fca
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## 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 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
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	Putup Type	Length	UPC
8421 060250	Black	Reel	250 ft	612825206538

## History

Update and Revision:	Revision Number: 0.257 Revision Date: 06-08-2020
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