

**Product:** [8421](#) 

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



REPRESENTATIVE IMAGE

### 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
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##### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.125 in

##### Outer Shield

Type	Material	Coverage [%]
Spiral Serve / Screen	Tinned Copper (TC)	85%

##### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.18 in

#### Electrical Characteristics

##### Conductor DCR

<b>Nominal Conductor DCR</b>
32.27 Ohm/1000ft

##### Capacitance

<b>Nom. Capacitance Conductor to Shield</b>
16 pF/ft

##### Impedance

<b>Nominal Characteristic Impedance</b>
80 Ohm

##### Current

<b>Max. Recommended Current [A]</b>
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 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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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Put-Up Type	Length	UPC
8421 060250	Black	Reel	250 ft	612825206538

## History

Update and Revision:	Revision Number: 0.318 Revision Date: 12-15-2021
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