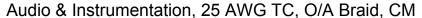


Part Number: 8421





# **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	

## 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



#### **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	

### **Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
LO DIICCIVE 2000/35/LO (LLV).	103
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.		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

Updat	e and Revision:	Revision Number: 0.245 Revision Date: 08-22-2019
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