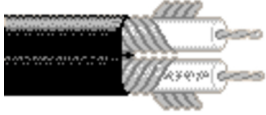


Product: [8416](#) 



Audio & Instrumentation, 2 Conductor 25 AWG TC, Individually Shielded, CM

Product Description

Dual Channel, 25 AWG stranded (7x33) Tinned Copper/Tinned Copper Covered Steel conductor, polyethylene insulation, individual TC spiral wrapped shield (90% coverage), PVC jacket, polarity rib on red conductor.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
25	7x33	TC+TCCS - Tinned Copper (High Conductivity) + Tinned Copper Covered Steel (High Conductivity)	0.021 in	2
Total Number of Conductors:			2	

Insulation

Material	Nominal Diameter
PE - Polyethylene	0.058 in

Color Chart

Number	Color
1	Red
2	Natural

Inner Shield Material

Type	Material	Coverage [%]
Spiral Serve / Screen	Tinned Copper (TC)	90%

Outer Shield Material

Type	Material	Coverage [%]
Spiral Serve / Screen	Tinned Copper (TC)	90%

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.106 x 0.213 in

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Shield
36 pF/ft

Impedance

Nominal Characteristic Impedance
44 Ohm

Voltage

Non-UL Voltage Rating
90 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	16 lbs/1000ft
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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
8416 008250	Gray	Reel	250 ft	612825355298

History

Update and Revision:	Revision Number: 0.278 Revision Date: 09-30-2020
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