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1-800-Belden1

Description

25 AWG stranded (7x33) conductors(3 strands tinned copper, 4 strands tinned copper-covered steel), polyethylene insulation, tinned copper braid shield (72% coverage), PVC jacket.

Physical Characteristics (Overall):

Conductor:

AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	25	3x33	High Conductivity TC - Tinned Copper	0.021
		4x33	TCCS - Tinned Copper Covered Steel	

Total Number of Conductors 1

Inner Jacket:

Inner Jacket Material

Inner Jacket Material	Nom Wall (in.)	Nom. Dia. (in.)
PE - Polyethylene	0.043	0.125

Outer Shield:

Outer Shield Material

Type	Outer Shield Material	% Coverage (%)
Braid	TC - Tinned Copper	74

Outer Shield Separator Material Rayon Braid

Outer Jacket:

Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.025

Overall Cabling:

Overall Nominal Diameter: 0.199 in.

Mechanical Characteristics (Overall):

Operating Temperature Range	-20°C To 80°C
Non-UL Temperature Rating	80°C
Bulk Cable Weight:	20.500 lbs/1000 ft.
Max. Recommended Pulling Tension:	42 lbs.
Min. Bend Radius (Install):	2 in.

Applicable Specifications and Agency Compliance (Overall):

Plenum/Non-Plenum:

Plenum (Y/N) N

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
57

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
28.000

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
45.100

Max. Operating Voltage - Non-UL

Voltage

ENGLISH MEASUREMENT VERSION

8401 Coax - Microphone and Musical Instrument Cable

5000 V DC

Max. Recommended Current

Current

1.9 Amps per conductor @ 25°C (10°C rise)

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)

9.120

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