



Part Number: 9451DP
Audio Cable, #22-2pr, TC, O/A Foil, CMP

Product Description

Audio Cable, Plenum-CMP, 2-22 AWG stranded tinned copper pairs, FEP insulation, Beldfoil® shield, drain, Flamarrest® jacket, parallel construction

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	2
Total Number of Conductors:			4

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

Color Chart 1:

Number	Color
1	Black & Red
2	Black & White

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	7x30 mm

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.127 x 0.269 in	0.017 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
14.1 Ohm/1000ft	14.3 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
35 pF/ft	67 pF/ft

Impedance:

Nominal Characteristic Impedance
42 Ohm

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.47 ns/ft	69 %

Current:

Max. Recommended Current [A]
2.9 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.15 µH/ft

Voltage:

UL Voltage Rating
300V RMS

Use

Max Recommended Pulling Tension:	54 lbs
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Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

Temperature Range

Operating Temp Range:	-20°C To +75°C
UL Temp Rating:	60°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	9451D

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMP
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMP
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

Notes:	The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.
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Product Variants

Part Number	Color	Put-Up Type	Length
9451DP 0091000	WHITE	Reel	1000 ft

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