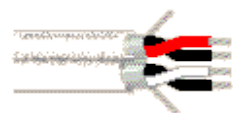


9451DP Multi-Conductor - Double-Pair Cable

For more Information
please call

1-800-Belden1

**General Description:**

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

Physical Characteristics (Overall)**Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1778

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.4318

Overall Cable

Overall Nominal Diameter: 3.226 x 6.833 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	35.717 Kg/Km
Max. Recommended Pulling Tension:	240.203 N
Min. Bend Radius/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

9451DP Multi-Conductor - Double-Pair Cable

NEC/(UL) Specification:	CMP
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CEC/C(UL) Specification:	CMP
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	NFPA 262
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CSA Flame Test:	FT6
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Non-Plenum Number:	9451D
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

42

Nom. Inductance:

Inductance (μH/m)

0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

114.835

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

219.827

Nominal Velocity of Propagation:

VP (%)

69

Nominal Delay:

Delay (ns/m)

4.82307

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

46.2621

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

46.9183

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.9 Amps per conductor @ 25°C

9451DP Multi-Conductor - Double-Pair Cable**Notes (Overall)**

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9451DP 009Z1000	1,000 FT	27.000 LB	WHITE		2 FSPR #22 FEP PLENUM PVC
9451DP 009Z250	250 FT	9.500 LB	WHITE		2 FSPR #22 FEP PLENUM PVC
9451DP 009Z500	500 FT	15.500 LB	WHITE		2 FSPR #22 FEP PLENUM PVC
9451DP 009Z750	750 FT	21.000 LB	WHITE		2 FSPR #22 FEP PLENUM PVC
9451DP 0091000	1,000 FT	26.000 LB	WHITE	C	2 FSPR #22 FEP PLENUM PVC
9451DP 00910000	10,000 FT	260.000 LB	WHITE		2 FS PR #22 FEP PLENUM PVC
9451DP 009500	500 FT	13.500 LB	WHITE		2 FSPR #22 FEP PLENUM PVC
9451DP 0095000	5,000 FT	135.000 LB	WHITE		2 FSPR #22 FEP PLENUM PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 01-22-2015

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