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please call

1-800-Belden1



### General Description:

Audio Cable, Plenum-CMP, 2-22 AWG stranded tinned copper pairs, FEP insulation, Beldfoil® shield, drain, Flamarrest® 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 (in.)
FEP - Fluorinated Ethylene Propylene	.007

#### 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 (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.017

#### Overall Cable

Overall Nominal Diameter: 0.127 x 0.269 in.

#### 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: 24 lbs/1000 ft.

Max. Recommended Pulling Tension: 54 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

## 9451DP Multi-Conductor - Double-Pair Cable

EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

### Plenum/Non-Plenum

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

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

**Impedance (Ohm)**  
42

#### Nom. Inductance:

**Inductance (µH/ft)**  
.15

#### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/ft)**  
35

#### Nom. Capacitance Cond. to Other Conductor & Shield:

**Capacitance (pF/ft)**  
67

#### Nominal Velocity of Propagation:

**VP (%)**  
69

#### Nominal Delay:

**Delay (ns/ft)**  
1.47

#### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**  
14.1

#### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**  
14.3

#### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS

#### Max. Recommended Current:

**Current**  
2.9 Amps per conductor @ 25°C

### 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 0091000	1,000 FT	26.000 LB	WHITE	C	2 FSPR #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.

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## 9451DP Multi-Conductor - Double-Pair Cable

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).