

6500PE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information
please call

1-800-Belden1

**General Description:**

Security & Commercial Audio Cable, Plenum-CMP, 2-22 AWG stranded tinned copper pairs with Flamarrest® insulation, Individually Beldfoil® shielded and Flamarrest® jacket with ripcord

Usage (Overall)

Suitable Applications: Intercom/PA Systems and Sound/Audio Systems

Physical Characteristics (Overall)**Conductor**

AWG:

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

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.241

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
63.49975	15.7488

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 3.302 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 16.370 Kg/Km

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Max. Recommended Pulling Tension:	106.757 N
Min. Bend Radius/Minor Axis:	33.020 mm

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

NEC/(UL) Specification:	CMP
NEC Articles:	800
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):	03/23/2010
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
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)**Nom. Inductance:**

Inductance (μH/m)
0.591

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
147.645

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
265.761

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.8084

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
54.957

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.8 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.

6500PE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6500PE 009Z1000	1,000 FT	14.000 LB	WHITE		2 #22 FLRST FS FLRST
6500PE 009Z250	250 FT	6.000 LB	WHITE		2 #22 FLRST FS FLRST
6500PE 009Z500	500 FT	8.500 LB	WHITE		2 #22 FLRST FS FLRST
6500PE 009Z750	750 FT	11.250 LB	WHITE		2 #22 FLRST FS FLRST
6500PE 0091000	1,000 FT	12.000 LB	WHITE		2 #22 FLRST FS FLRST
6500PE 009500	500 FT	7.000 LB	WHITE		2 #22 FLRST FS FLRST
6500PE 010U1000	1,000 FT	12.000 LB	BLACK		2 #22 FLRST FS FLRST
6500PE 010Z1000	1,000 FT	14.000 LB	BLACK		2 #22 FLRST FS FLRST
6500PE 0101000	1,000 FT	12.000 LB	BLACK		2 #22 FLRST FS FLRST

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