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please call

1-800-Belden1



General Description:

Security, Pro Audio & Intercom Cable, Plenum-CMP, 3-18 AWG stranded bare copper pairs with FEP insulation, Individually Beldfoil® shielded and Flamarest® jacket

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
3	18	7	BC - Bare Copper

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.254

Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarest®	LS PVC - Low Smoke Polyvinyl Chloride	0.4191

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 7.620 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Pair Lay Length & Direction:

Lay Length (mm)

47.625

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	91.822 Kg/Km
Max. Recommended Pulling Tension:	784.662 N
Min. Bend Radius/Minor Axis:	76.200 mm

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
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)
0.52496

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
144.364

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
259.855

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
47.246

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 47.246 Ohm/km

Max. Operating Voltage - UL:

Voltage

6342PC Multi-Conductor - Pro Audio and Intercom Systems

300 V RMS

Max. Recommended Current:

Current

3.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6342PC 8771000	1,000 FT	63.000 LB	NATURAL	C	3 #18 FS PR FEP FLRST

Notes:

C = CRATE REEL PUT-UP.

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