Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



6549PA Multi-Conductor - Pro Audio and Intercom Systems



For more Information please call

1-800-Belden1



Description:

22 AWG BC cond, FEP insul, cond twisted into pairs and individually shielded w/Beldfoil® tape (alum side facing in), drain wire, multiple pairs cabled together, Fluorocopolymer (22 AWG) or Flamarrest® (18 AWG) jkt, ripcord. Seq ftg marking every two ft.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
16	22	7x30	BC - Bare Copper	.029

Insulation

Insulation Material:

nsulation Trade Name Insulation Material		Wall Thickness (in.) Dia. (in.)		
Teflon®	FEP - Fluorinated Ethylene Propylene	.010	.049	

Inner Shield

Inner Shield Material:

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

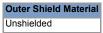
Inner Shield Drain Wire AWG:



Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVDF - Fluorocopolymer	.017

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.457 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White



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9	Red & Green		
10	Red & Blue		
11	Red & Yellow		
12	Red & Brown		
13	Red & Orange		
14	Green & White		
15	Green & Blue		
16	Green & Yellow		

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.375	6.900

Med	chanical Characteristics (Overall)	
	Operating Temperature Range:	-20°C To +150°C
	UL Temperature Rating:	75°C
	Bulk Cable Weight:	150 lbs/1000 ft.
	Max. Recommended Pulling Tension:	324.200 lbs.
	Min. Bend Radius (Install)/Minor Axis:	4.500 in.
App	olicable Specifications and Agency Com	pliance (Overall)
Ар	plicable Standards & Environmental Program	ns
	NEC/(UL) Specification:	CMP
	NEC Articles:	800
	CEC/C(UL) Specification:	CMP
	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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 50

Nom. Inductance:

Inductance (µH/ft)
.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 27.5

Nom. Capacitance Cond. to Other Conductor & Shield:



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Capacitance (pF/ft)

Nominal Velocity of Propagation:

69

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 16.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

300 V RMS

Max. Recommended Current:

Current 1.5 Amps per conductor @ 25°C

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6549PA 0081000	1,000 FT	159.000 LB	GRAY	С	16 FS PR #22 FEP SLF

Notes:

C = CRATE REEL PUT-UP.

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