

Product: [6345PC](#) 



Security & Sound, 6 Pair 18 AWG BC, Individually Shielded, Plenum

Product Description

Security, Pro Audio & Intercom Cable, 6 Pair 18 AWG stranded (7x26) bare copper pairs with FEP insulation, Individually Beldfoil® shielded, Plenum, Flamarrest® jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
18	7x26	BC - Bare Copper	6

Conductor Count:	12
Total Number of Pairs:	6

Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.01 in

Color Chart

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

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.402 in	0.019 in	Yes

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
14.4 Ohm/1000ft	6.5 Ohm/1000ft	7.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
44 pF/ft	79.2 pF/ft

Inductance

Nominal Inductance
0.16 µH/ft

Current

Max. Recommended Current [A]
Per conductor @ 25°C: 3.5 A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	120.3 lbs/1000ft
Max Recommended Pulling Tension:	352.8 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
6345PC 8771000	Natural	Reel	1,000 ft	612825176565

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.282 Revision Date: 04-28-2020
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