

Product: 6504FE

Security & Sound, #22-6c BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 6-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	6	22	7x30	BC - Bare Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	0.009	Black, Red, White, Green, Brown, Blue

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	24 AWG (7x32) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	0.015 in	0.175 in	Yes

Cable Diameter (Nominal):	0.175 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.2 Ohm/1000ft	33 pF/ft	59 pF/ft	2 Amps per conductor @ 25°C

Nom Outer Shield DCR:	15.3 Ohm/1000ft

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Rating	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.8 in	1.8 in

Max. Pull Tension:	60 lbs
Bulk Cable Weight:	24 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Fire Resistance:	NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5504FE

History

Update and Revision:	Revision Number: 0.243 Revision Date: 07-31-2020

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