

Part Number: 4500FE

Commercial Applications

Product Description

Security & Alarm Cable, 2-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and LSZH jacket with ripcord

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Eca
Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
22	7x30	BC - Bare Copper	0.75 mm	2

Conductor Count:	2
Conductor Size:	22 AWG

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PP - Polypropylene	1.07 mm	0.05 mm	0.2 mm

Color Chart

Number	Color
Wire 1	Black
Wire 2	Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG
Tape	Aluminum/Polyester	Beldfoil®	100 %	9 µm	TC - Tinned Copper	AWG24/7

Outer Jacket Material

Material	Color	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH / FRNC	Gray	3.2 mm	0.4 mm	Provided under the sheath

Construction and Dimensions

Cabling

Description
2 wires twisted

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
54 Ohm/km	54 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
150 pF/m	285 pF/m

Current

Max. Recommended Current [A]
2.8 A

Voltage

Voltage Rating [V]
300 V

Temperature Range

Installation Temp Range:	-20°C To +70°C
Storage Temp Range:	-30°C To +70°C
Operating Temp Range:	-20°C To +70°C

Mechanical Characteristics

Max Recommended Pulling Tension:	30 N
Min Bend Radius During Installation:	32 mm
Min Setting Radius:	16 mm

Standards

CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1
Amount of Halogen acc. to IEC 60754-1 & EN50267-1:	Zero

Part Number

Variants

Item #	Color
4500FE.00100	Gray, RAL 7032
4500FE.00500	Gray, RAL 7032
4500FE.011000	White
4500FE.01500	White

History

Revision Number:	8

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