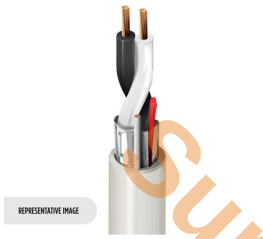

Product: 4100FE

Security & Sound, 2 Conductor 14 AWG BC, LSZH, Shielded, Eca

Supplied by Digitalstout.com UAE

Product Description

Security & Commercial Audio Cable, 2-14 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Eca

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
14	19x27	BC - Bare Copper	1.8 mm	2

Conductor Count:	2

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PE - Polyethylene	2.34 mm	0.05 mm	0.28 mm

Color Chart

Number	Color
Wire 1	Black
Wire 2	White

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	9 µm	TC - Tinned Copper	AWG22/7

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.65 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
8.3 Ohm/km	11.3 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
250 pF/m	450 pF/m

Current

Max. Recommended Current [A]
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. Pull Tension:	200 N
Min Bend Radius During Installation:	56.5 mm
Min Setting Radius:	28.25 mm

Standards

CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
IEC 60754-1 - Halogen Amount:	Zero
IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 - Smoke Density Min. Transmittance:	60%

Part Number

Variants

Item #	Color	Putup Type	Length	EAN
4100FE.00305	Gray	Reel	305 m	8719605154965
4100FE.00500	Gray	Reel	500 m	8719605006196

History

Update and Revision:	Revision Number: 0.209 Revision Date: 05-04-2021

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