



**Product:** [4306FE](#)

Commercial Applications

## Product Description

Security & Alarm Cable, 8-18 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and LSZH jacket with ripcord

## Technical Specifications

### Product Overview

Environmental Space:	Indoor
Suitable Applications:	Commercial applications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
18	7x26	BC - Bare Copper	1.22 mm	8

Conductor Count:	8
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#### Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
Insulation	PP - Polypropylene	1.5 mm	0.05 mm	0.2 mm

#### Color Chart

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

#### 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	Nominal Diameter	Nominal Wall Thickness	Ripcord
LSZH / FRNC	6.25 mm	0.4 mm	Provided under the sheath

### Construction and Dimensions

#### Cabling

Description
8 wires twisted

### Electrical Characteristics

## Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
21.3 Ohm/km	23.6 Ohm/km

## Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
125 pF/m	224 pF/m

## Current

Max. Recommended Current [A]
3.5 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:	320 N
Min Bend Radius During Installation:	62.5 mm
Min Setting Radius:	31.25 mm

## Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01
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## Flammability, LSOH, Toxicity Testing

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

## Part Number

### Variants

Item #	Color	Length
4306FE.00100	Gray	100 m
4306FE.00500	Gray	500 m
4306FE.K0500	Gray	500 m

## History

Update and Revision:	Revision Number: 0.163 Revision Date: 02-14-2020
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