

## Antenna - FL LCX CABLE 5 E - 2702860

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



The leaky wave cable is a "wireless cable" which acts as an antenna and emits along its entire length. The range is limited. Track-guided systems, for example, can therefore be supplied as required, even under difficult conditions. Suitable for the 5 GHz band.

The figure shows a version of the product

RoHS

### Key Commercial Data

Packing unit	1 pc
--------------	------

### Technical data

#### Dimensions

Length	500 m
Diameter	15.5 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-70 °C ... 85 °C

#### General

With connecting cable	yes
Frequency range	5 GHz
Cable resistance	1.48 Ω/km (DC inner conductor)
	2.8 Ω/km (DC phase conductor)
Gain	0 dBi
Connection method	open end
Cable weight	232.00 g/m
Smallest bending radius, fixed installation	min. 200 mm (One-time bending)
Cable, attenuation	19.1 dB/100 m, longitudinal loss (5.2 GHz)
	71 dB, coupling attenuation 95 % (5.2 GHz)
Material	Al Cu wire (inner conductors)
	Copper film (Phase conductors)
	PE foam (Insulation)

# Antenna - FL LCX CABLE 5 E - 2702860

## Technical data

### General

Mounting type	Wall mounting
Assembly instructions	Recommended clamp distance 0.5 m

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

eCl@ss 10.0.1	19070105
eCl@ss 4.0	240604xx
eCl@ss 4.1	24060401
eCl@ss 5.0	27061804
eCl@ss 5.1	27061804
eCl@ss 6.0	27061804
eCl@ss 7.0	19070105
eCl@ss 8.0	19070105
eCl@ss 9.0	19070105

### ETIM

ETIM 3.0	EC001698
ETIM 4.0	EC000416
ETIM 5.0	EC001698
ETIM 6.0	EC001698
ETIM 7.0	EC001698

### UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	43221715
UNSPSC 18.0	43221715
UNSPSC 19.0	43221715
UNSPSC 20.0	43221715
UNSPSC 21.0	43221715

## Accessories

### Accessories

### Assembly tool

## Antenna - FL LCX CABLE 5 E - 2702860

### Accessories

Alignment tool - FL LCX TOOL E - 2702519



Special alignment tool for the accurate mounting of connectors on the leaky wave conductors.

---

### Coaxial adapter

Connector - FL LCX CON-N-F E - 2702518



The length of the leaky wave conductor must be adapted to the special length in the application. Connectors are then installed at both cable ends. Wireless devices can be connected to these via a flexible connecting cable.

---

### Mounting material

Cable tie - FL LCX CLAMP E - 2702520



Mounting clamp for fastening the FL LCX CABLE METER leaky wave conductor.

---

### Terminal resistor

Termination resistor - FL LCX 50-OHM - 2884978



A termination resistor must be screwed on at the end of the leaky wave conductor which does not contain any wireless part. It guarantees an antenna cable termination with the correct impedance and is important for every wireless installation.