

Antenna - FL LCX CABLE 24 E - 2702553

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The leaky wave conductor is a "wireless cable" which acts as an antenna and radiates over the entire length. The range is limited here. Track-guided systems can thus be properly supplied even under complex conditions.

RoHS

Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	85442000
Country of origin	Belgium

Technical data

Dimensions

Diameter	15.5 mm
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Ambient conditions

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

General

With connecting cable	yes
Frequency range	2.4 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	14.7 dB/100 m, longitudinal attenuation (2.4 GHz)

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Technical data

General

	60 dB, coupling attenuation 95 % (2.4 GHz)
Material	Al Cu wire (inner conductors)
	Copper film (Phase conductors)
	PE foam (Insulation)
Assembly instructions	Recommended clamp distance 0.5 m
Mounting type	Wall mounting

Classifications

eCl@ss

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

UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	20142601

Accessories

Accessories

Assembly tool

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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.
