

# FL LCX CABLE METER - Antenna



2884774

<https://www.phoenixcontact.com/us/products/2884774>

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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.

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2884774                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | DN23                           |
| Product key                          | DNN2Z3                         |
| Weight per piece (including packing) | 250 g                          |
| Weight per piece (excluding packing) | 250 g                          |
| Customs tariff number                | 85442000                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|              |         |
|--------------|---------|
| Product type | Antenna |
| Gain         | 0 dBi   |

### Electrical properties

|                 |                     |
|-----------------|---------------------|
| Frequency band  | 2.4 GHz             |
| Frequency range | 2.4 GHz ... 2.6 GHz |
| Impedance       | 50 $\Omega$         |

### Connection data

#### Connection technology

|                   |          |
|-------------------|----------|
| Connection method | open end |
|-------------------|----------|

### Dimensions

|          |         |
|----------|---------|
| Diameter | 13.7 mm |
|----------|---------|

### Material specifications

|          |                        |
|----------|------------------------|
| Material | Al Cu wire             |
|          | Copper corrugated tube |
|          | PE foam                |
|          | Polyethylene           |

### Cable/line

|   |                                       |
|---|---------------------------------------|
| Cable weight                                | 250.00 g/m                            |
| Cable resistance                            | 2.9 $\Omega$ /km (DC inner conductor) |
|   | 4 $\Omega$ /km (DC phase conductor)   |
| Smallest bending radius, fixed installation | min. 32 mm (One-time bending)         |

### Environmental and real-life conditions

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -40 °C ... 85 °C |
| Ambient temperature (storage/transport) | -70 °C ... 85 °C |
| Ambient temperature (installation)      | -25 °C ... 60 °C |

### Standards and regulations

|                          |                    |
|--------------------------|--------------------|
| Standard designation     | Halogen-free       |
| Standards/specifications | IEC 60754-1 / -2   |
| Standard designation     | Flame retardancy   |
| Standards/specifications | IEC 60332-1 / -3.C |

### Mounting

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Assembly note

Recommended clamp distance 0.33 m

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## Environmental product compliance

EU REACH SVHC

| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|
|-------------------------------------|----------------------------|

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