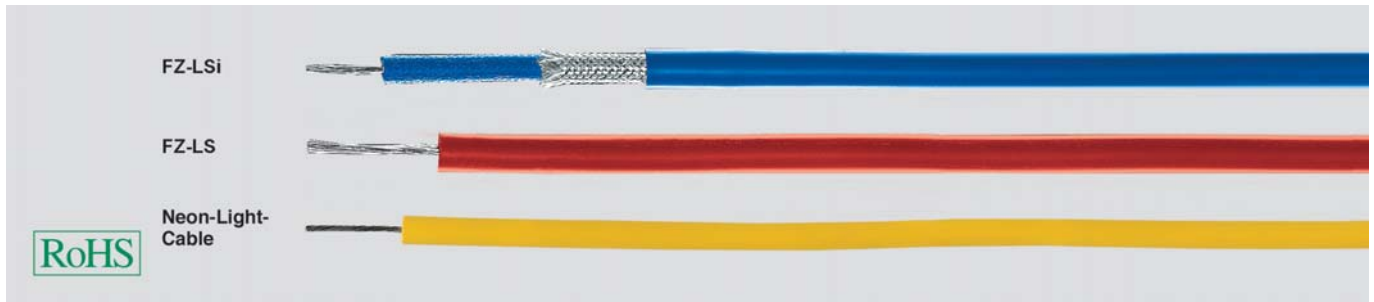


FZ-LSi / FZ-LS / Neon Light Cables



Technical data

FZ-LSi, blue

- **Nominal voltage** 16 kV
- **Test voltage** 20 kV
- **Breakdown voltage** min. 30 kV
- **Ignition voltage** (kV eff.)
0,5 mm² = 6 kV
1,0 mm² = 8 kV
1,5 mm² = 10 kV

FZ-LS, red

- **Test voltage**
for 5 mm Ø = 15 kV
for 7 mm Ø = 20 kV
- **Breakdown voltage**
for 5 mm Ø: min. 25 kV
for 7 mm Ø: min. 35 kV

Neon-light-Cable, yellow

- **Nominal voltage**
3,5 kV, 4,0 kV bzw. 7,5 kV
- **Test voltage** 10 kV
- **Specific volume resistivity**
min. 10¹² Ohm x cm
- **Minimum bending radius**
approx. 7,5x cable Ø
- **Radiation resistance**
up to 20x10⁶ cJ/kg (up to 20 Mrad)

Application

FZ-LSi, blue

This ignition cable is suitable for use at high and extremely alternating temperatures up to +180°C and also for motor vehicle sector. As protection against mechanical damages a glass fibre braiding and a silicone sheath covers the core insulation.

FZ-LS, red

This ignition cable is suitable for use at high and extremely alternating temperatures up to +180°C and also for motor vehicle sector.

Neon-light-cable, yellow

This neon-light-cable for fluorescent tubes is suitable for use at high and extremely alternating temperature up to +180°C. The main application of this cable is in the lamp and lightning industry, as floodlights, industrial lights, suspended and stand lamps. This cable must be protected in steel tubes or flexible steel tubes made of steel taps before touching plaster.

FZ-LSi ignition cable 16 kV

Part No.	Core colour	Cross-sec. mm ²	Cond. make-up n x wire Ø	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
23110	blue	0,5	7 x 0,3	5,0	4,8	36,0	20
23106	blue	1	19 x 0,25	7,5	9,5	65,0	17
23107	blue	1,5	28 x 0,26	8,5	14,4	88,0	16

FZ-LS high-voltage ignition cable 15 und 20kV

Part No.	Core colour	Cross-sec. mm ²	Cond. make-up n x wire Ø	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
23109	red-brown	1	19 x 0,25	5,0	9,6	34,0	17
23108	red-brown	1	19 x 0,25	7,0	9,6	60,0	17

neon light cables (neon cable) 3,5kV, 4,0kV und 7,5kV

Part No.	Core colour	Cross-sec. mm ²	Cond. make-up n x wire Ø	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
23147	yellow	1,5	30 x 0,25	4,4	14,4	32,0	16
23148	yellow	1,5	30 x 0,25	6,6	14,4	59,0	16
23149	yellow	1,5	30 x 0,25	7,6	14,4	75,0	16

Dimensions and specifications may be changed without prior notice.

Cable construction

FZ-LSi, blue

- Tinned copper stranded conductor, strand make-up see table below
- Silicone core insulation 2G1 to DIN VDE 0207 part 20
- Glass-fibre braiding
- Outer-jacket silicone 2GM1 to DIN VDE 0207 part 21
- Jacket colour blue

FZ-LS, red

- adapted to ISO 3808 part 1
- Tinned copper conductor, 19x0,25 mm Ø
- Silicone core insulation 2G1 to DIN VDE 0207 part 20
- Jacket colour redbrown

Neon-light-cable, yellow

- in adapted to DIN VDE 0250 part 1 and part 5
- Tinned copper stranded conductor 30x0,25 mm Ø
- Silicon core insulation 2G1 to DIN VDE 0207 part 20
- Jacket colour yellow

Properties

Neon-light-cable, yellow

- Halogen-free according to DIN VDE 0482 part 267/ EN 50267-2-2/ IEC 60754-2 (equivalent DIN VDE 0472 part 813)
- No flame propagation according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- No formation of corrosive gases
- Low smoke density
- Very good weather resistance

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

