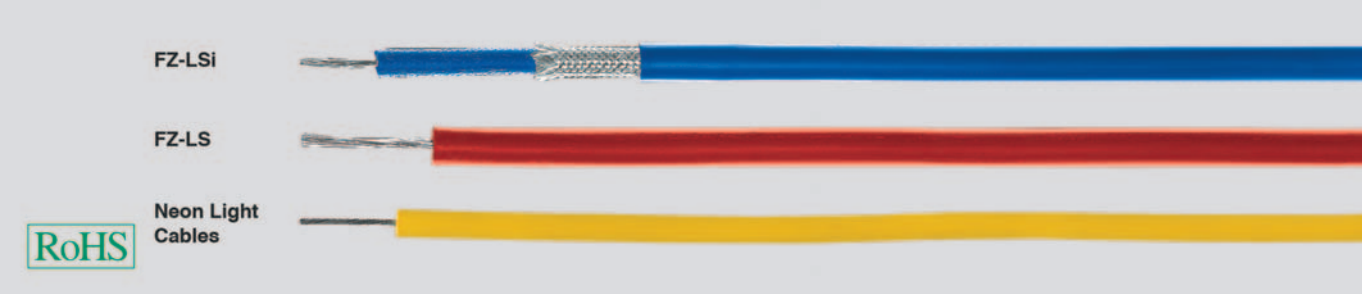
FZ-LSi / FZ-LS / Neon Light Cables



Technical data

FZ-LSi, blue
- **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 or 7,5 kV
- **Test voltage** 10 kV
- **Specific volume resistivity**
  min. 10^{12} Ohm x cm
- **Minimum bending radius**
  7,5x cable Ø
- **Radiation resistance**
  up to 20x10^{6} cJ/kg (up to 20 Mrad)

Cable structure

FZ-LSi, blue
- Tinned copper-conductor
- Conductor consturction see table below
- Core insulation of silicone compound type 2GI1 to DIN VDE 0207 part 20
- Glass-fibre braiding
- Outer sheath of silicone compound type 2GM1 to DIN VDE 0207 part 21
- Sheath colour blue

FZ-LS, red
- Tinned copper-conductor, 19x0,25 mm Ø
- Core insulation of silicone compound type 2GI1 to DIN VDE 0207 part 20
- Sheath colour redbrown

Neon-light-cable, yellow
- in adapted to DIN VDE 0250 part 1+5
- Tinned copper-conductor, 30x0,25 mm
- Core insulation of silicone compound type 2GI1 to DIN VDE 0207 part 20
- Sheath colour yellow

Properties

Neon-light-cable, yellow
- Halogen-free
  acc. to DIN VDE 0482 part 267, DIN EN 50267-2-2, IEC 60754-2 (equivalent DIN VDE 0472 part 813)
- Behaviour in fire no flame propagation
  acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2,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.

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Application

FZ-LSi, blue
This ignition cable is suitable for use at high and extremely alternating ambient temperatures up to +180°C. Applications include engine manufacturing, valve manufacturing and heating technology. 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 ambient temperatures up to +180°C. Applications include the lamp and lighting industry and cooling and airconditioning technology.

Neon-light-cable, yellow
This cable is primarily suitable for use at high and extremely alternating ambient temperatures such as in the lamp and lighting industry. Protected installation is required.

FZ-LSi ignition cable

Part no.	Core colour	Cross-sec. mm²	Cond. make-up (nom. val.) n x wire Ø	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
23110	BU	0,5	7 x 0,3	5,0	4,8	36,0	20
23106	BU	1	19 x 0,25	7,5	9,5	65,0	17
23107	BU	1,5	28 x 0,26	8,5	14,4	88,0	16

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

Part no.	Core colour	Cross-sec. mm²	Cond. make-up (nom. val.) n x wire Ø	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. 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 and 7,5kV

Part no.	Core colour	Cross-sec. mm²	Cond. make-up (nom. val.) n x wire Ø	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
23147	YE	1,5	30 x 0,25	4,4	14,4	32,0	16
23148	YE	1,5	30 x 0,25	6,6	14,4	59,0	16
23149	YE	1,5	30 x 0,25	7,6	14,4	75,0	16

Dimensions and specifications may be changed without prior notice. (RK01)

Suitable accessories can be found in Chapter X.
- Core end sleeve - ADI
- Core end sleeve - ADU