



Flexible cables



Application:

LsFK(FJ)Q are special flexible control and instrumentation cables with transparent FEP insulation. Cables are shielded with AlPET foil or CuSn braiding. Cables sheath is made by special PVC with high temperature resistance (-30°C to +105°C).

Cable construction:

- **Cable cores:** Stranded CuSn cores with nominal cross-section 0,5mm², 1,0 mm² cl.5 acc.to IEC 60228
- **Insulation:** FEP Fluorinated Ethylene Propylene
- **Min. insulation thickness:** 0,45 mm
- **Marking:** Colour marking of elements:
 1. transparent + black yarn
 2. transparent + red yarn
 3. transparent + white yarn

2 or 3 cores stranded together are allowable
Min. twist / m = 24
- **Shield construction:** LsFKFQ:
PET foil + CuSn drain wire stranded 0,5 mm² + overall Al/PET foil

LsFKJQ:
Al/PET foil + CuSn braided with a coverage of 95%
- **Sheath:** PVC special type
- **Colour of sheath:** Yellow - pair
Blue - triple

Technical data:

- **Nominal voltage:** 600 V (not for power purpose)
- **Test voltage:** 1,5 kV
- **Operating temperature:** -30 °C to +105 °C
- **Min. temperature for laying:** -5 °C
- **Min. bending radius:** 10 x ø cable
- **Maximum resistance:** per 1 km of cable at 20 °C
0,5mm² - 40,1 Ω/km
1,0 mm² - 20,0 Ω/km
- **Nom. capacitance of pair:** 75 pF/m
- **Nom. capacitance:** conductor to other conductor & shield - 150pF/m
- **Nom. inductance of pair:** 0,66 μH/m
- **Min. insulation resistance:** 200 MΩ.km
(per km of cable per core at 20°C)



Application table:

Type	Overall diameter approx.	Weight of cable approx.
LsFKFQ 1x2x0,5 mm ²	6,2 ± 0,3 mm	55 kg/km
LsFKFQ 1x2x1,0 mm ²	7,2 ± 0,3 mm	77 kg/km
LsFKJQ 1x2x0,5 mm ²	6,8 ± 0,3 mm	75 kg/km
LsFKJQ 1x2x1,0 mm ²	7,8 ± 0,3 mm	103 kg/km
LsFKJQ 1x3x0,5 mm ²	7,1 ± 0,3 mm	92 kg/km
LsFKJQ 1x3x1,0 mm ²	8,2 ± 0,3 mm	119 kg/km

