



## UTS LC

# Fiber Optic connector for fast & reliable rollout

The new UTS LC allow easy ruggedization of standard LC optical contacts in a UTS connector shell

**Quick Locking** ■ Ergonomic 1/3-turn locking  
Audible click

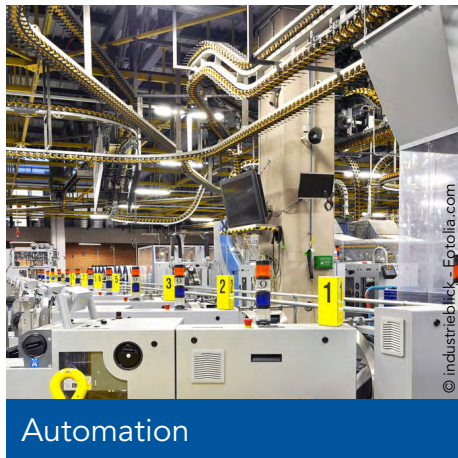
**Secure Mating** ■ Protected LC contact  
Robust shell material  
High strength cable retention system

**Optical Contact Multi-Sourcing** ■ Designed for all standard LC contacts

**Outdoor Use** ■ Waterproof IP67 / IP68  
Resists Shock and vibration

**Long Life Warranty** ■ UV-resistant  
Corrosion free

Typical Applications



Technical features

Mechanical

- Housing and backshell: thermoplastic UL94-V0
- insert: thermoplastic UL94-V0
- Optical contacts: depends on LC customer choice
- Durability per IEC 61300-2-2: 500 mating/unmating
- Vibration per IEC 61300-2-1: Sinusoidal vibration, 5Hz to 500Hz, 3.5mm amplitude, 9.8m/s² above 9Hz
- Change of temperature per IEC 61300-2-22: 12 cycles 1hour, from -40°C to +85°C

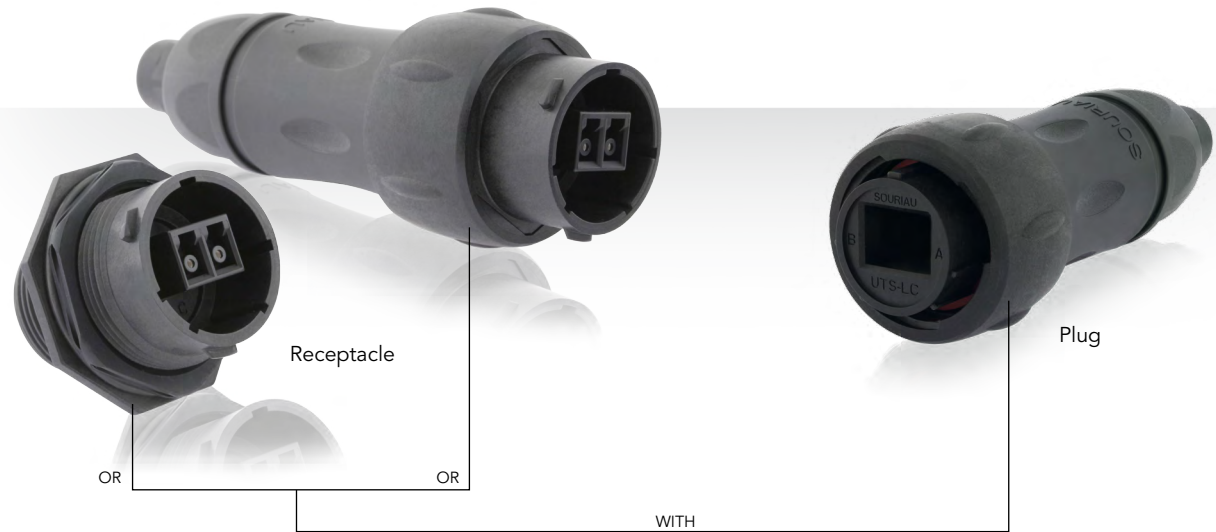
Environmental

- Temperature range: from -40°C to +105°C
- Salt mist per IEC 61300-2-26: 96hours
- Sealing (mated) per IEC 60529: Dynamic IP68 under 10 meter of water for 1week
- UV resistance: no mechanical degradation or significant variation of colour after 5 years of exposure in natural environment (equivalent exposure to sun and moisture as per ISO4892)
- RoHS compliant and conforms, to the Chinese standard SJ/T1166-2006 (Chinese RoHS equivalent)

Optical\*

- Exceeds performance Standard IEC 61753-1 Cat. E (extreme environment)
- Multimode contact: Insertion losses < 0.10dB over 97% of the samples Return losses > 30dB minimum
- Singlemode contact: Insertion losses < 0.25dB over 97% of the samples Return losses > 45dB minimum.

\*depends on LC contact customer choice



Connector Part Numbers

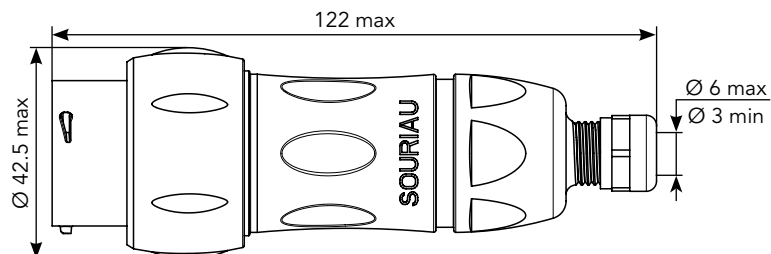
| Connector type          | Backshell   | Part number |               |
|-------------------------|-------------|-------------|---------------|
|                         |             | Male insert | Female insert |
| Free hanging receptacle | Cable gland | UTS1JC18LCN | -             |
| Plug                    | Cable gland | -           | UTS6JC18LCN   |
| Jam nut receptacle      | Without     | UTS718LCN   | -             |

Accessories

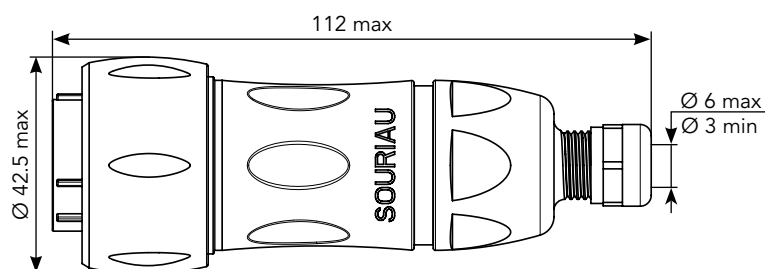
| Sealing Caps                                                                          |                           |                                                                                       |                          |
|---------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|--------------------------|
| For UTS6JC18LCN                                                                       |                           | For UTS1JC18LCN & UTS718LCN                                                           |                          |
|  | Part number<br>UTS618DCG2 |  | Part number<br>UTS18DCG2 |

## Dimensions (mm)

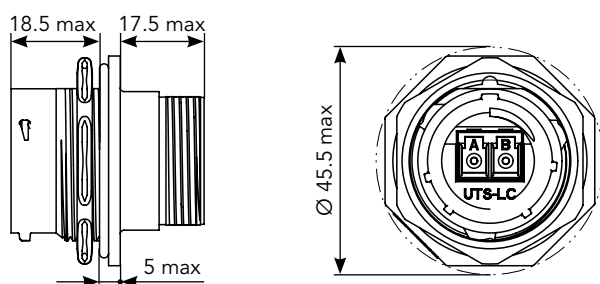
### Free Hanging Receptacle - UTS1JC18LCN



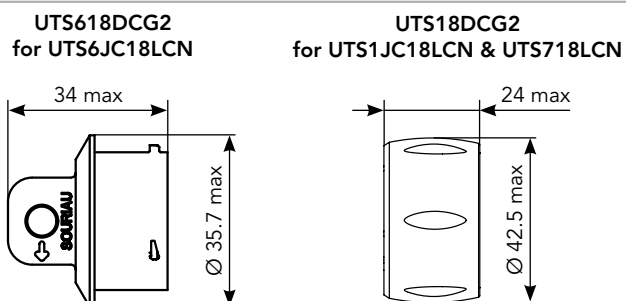
### Plug - UTS6JC18LCN



### Jam Nut Receptacle - UTS718LCN



### Sealing Cap



# SOURIAU

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