



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



Fiber to the Antenna



Fiber to the Home



Wind turbine



Security Cameras



Automation



Signalling



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

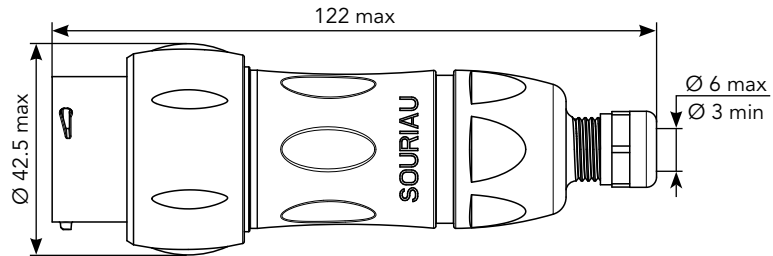
| Connector type | Backshell | Part number | |
|-------------------------|-------------|-------------|---------------|
| | | Male insert | Female insert |
| Free hanging receptacle | Cable gland | UTS1JC18LCN | - |
| Plug | Cable gland | - | UTS6JC18LCN |
| Jam nut receptacle | Without | UTS718LCN |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

Accessories

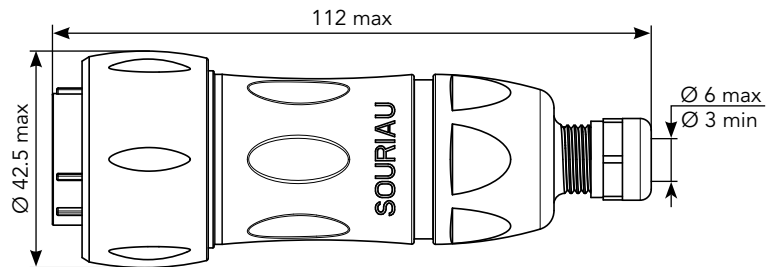
| Sealing Caps | | | | | |
|---|-------------|------------|---|-------------|-----------|
| <p>For UTS6JC18LCN</p>  <table border="1"> <tr> <th>Part number</th> </tr> <tr> <td>UTS618DCG2</td> </tr> </table> | Part number | UTS618DCG2 | <p>For UTS1JC18LCN & UTS718LCN</p>  <table border="1"> <tr> <th>Part number</th> </tr> <tr> <td>UTS18DCG2</td> </tr> </table> | Part number | UTS18DCG2 |
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| UTS618DCG2 | | | | | |
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| UTS18DCG2 | | | | | |

Dimensions (mm)

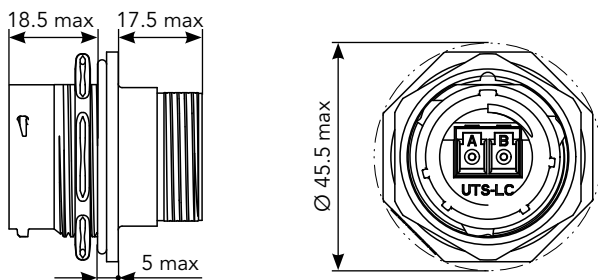
Free Hanging Receptacle - UTS1JC18LCN



Plug - UTS6JC18LCN

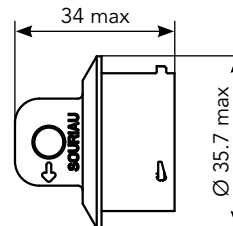


Jam Nut Receptacle - UTS718LCN

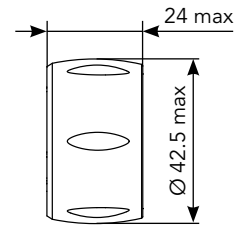


Sealing Cap

UTS618DCG2
for UTS6JC18LCN



UTS18DCG2
for UTS1JC18LCN & UTS718LCN



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www.souriau-industrial.com

contactindustry@souriau.com