



## 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**



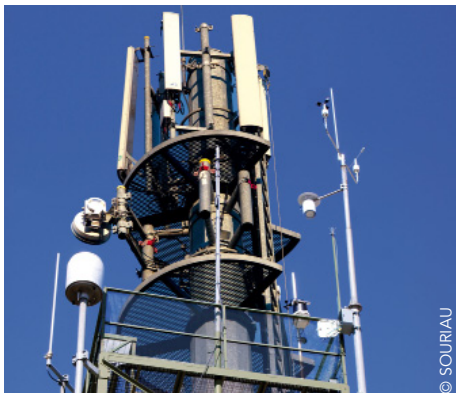
Waterproof IP67 / IP68  
Resists Shock and vibration

**Long Life Warranty**



UV-resistant  
Corrosion free

## Typical Applications



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To the Antenna



© SOURIAU

To the Home



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Wind turbine



© jeff gynamie - Fotolia.com

Security Cameras



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Automation



Signalling

# UTS LC Series

## Technical features

### Mechanical

- Housing and backshell: thermoplastic UL94-V
- insert: thermoplastic UL94-V
- Optical contacts: depends on LC customer choice
- Durability: 250 mating/unmating
- Vibration: sinusoidal vibration per CEI 605012-4 - from 10 to 200Hz
- Thermal shock: 5 cycles 30 min. from -40°C to 105°C per MIL-STD1344 method 1003

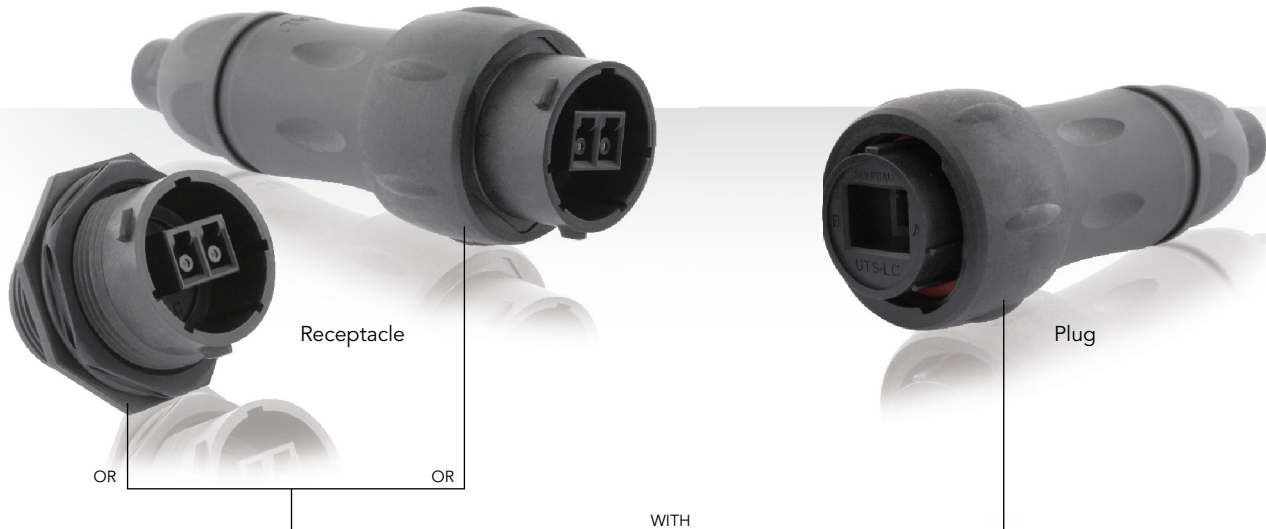
### Environmental

- Temperature range: from -40°C to +105°C
- Salt spray resistance: 500 hours
- Sealing (mated):
  - Dynamic IP68 - under water for 1 week, 1 bar
  - Dynamic IP69K per DIN 40050
- 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\*

- 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

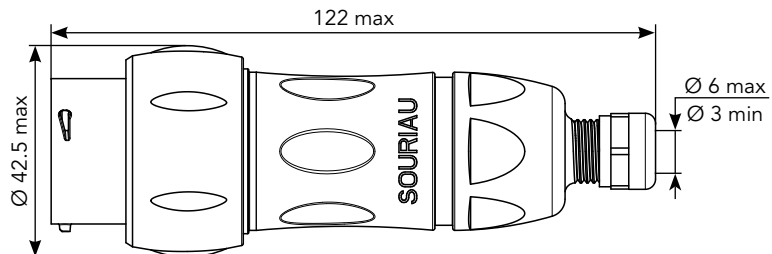
Connector type	Backshell	Part number	
		Male insert	Female insert
Free hanging receptacle	Cable gland	UTS1JC18LCN	-
Plug	Cable gland	-	UTS6JC18LCN
Jam nut receptacle	Without	UTS718LCN	-

## Accessories

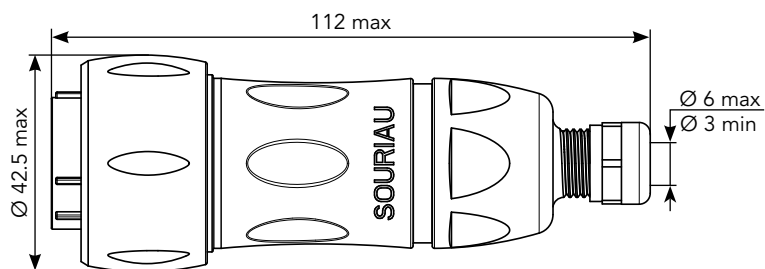
Sealing Caps					
For UTS6JC18LCN 	For UTS1JC18LCN & UTS718LCN 				
<table border="1"> <tr><th>Part number</th></tr> <tr><td>UTS618DCG2</td></tr> </table>	Part number	UTS618DCG2	<table border="1"> <tr><th>Part number</th></tr> <tr><td>UTS18DCG2</td></tr> </table>	Part number	UTS18DCG2
Part number			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

## Dimensions (mm)

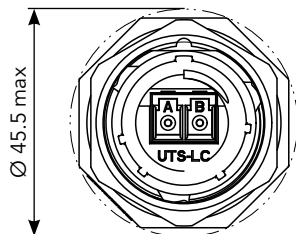
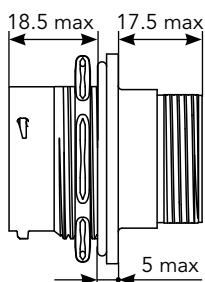
### Free Hanging Receptacle - UTS1JC18LCN



### Plug - UTS6JC18LCN

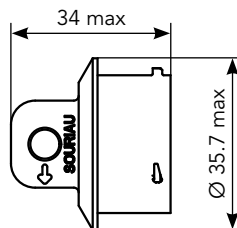


### Jam Nut Receptacle - UTS718LCN

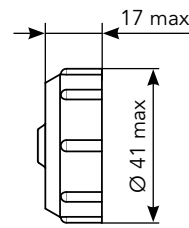


### Sealing Cap

UTS618DCG2  
for UTS6JC18LCN



UTS18DCG2  
for UTS1JC18LCN & UTS718LCN



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