



## UTS MPO Multiways Fiber Optic Connector

Easy ruggedization of standard MPO optical connector  
in a UTS connector shell

- Quick Locking**
  - Ergonomic 1/3-turn locking
  - Audible click
- Secure Mating**
  - Protected MPO contact
  - Robust shell material
  - High strength cable retention system
- Optical Contact Multi-Sourcing**
  - Designed from all MPO standard connectors from 12 to 48 optical ways
- Outdoor Use**
  - Waterproof IP67/IP68
  - Resistance to shock and vibration
- Long Life Warranty**
  - UV-resistant
  - Corrosion free

## Typical Applications



Fiber to the Antenna



Fiber to the Home



Security Cameras



Automation



Signalling

# UTS MPO Series

## 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/s<sup>2</sup> 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 water for 1week, 1bar
- 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 MPO contact customer choice



## Connector Part Numbers

Connector type	Backshell	Part number	
		Male insert	Female insert
Free hanging receptacle	Cable gland	UTS1JC18MPN	-
Plug	Cable gland	-	UTS6JC18MPN
Jam nut receptacle	Without	UTS718MPN	-

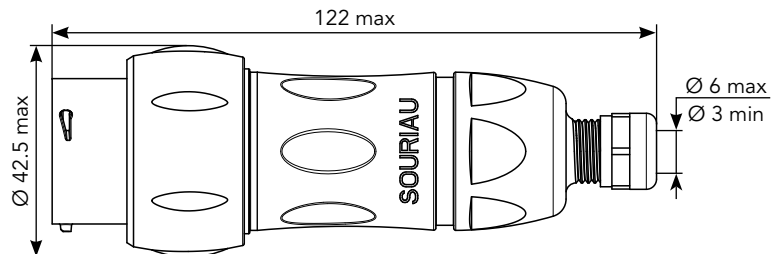
## Accessories

Sealing Caps					
<p>For UTS6JC18MPN</p>  <table border="1"> <tr> <td>Part number</td> </tr> <tr> <td>UTS618DCG2</td> </tr> </table>	Part number	UTS618DCG2	<p>For UTS1JC18MPN &amp; UTS718MPN</p>  <table border="1"> <tr> <td>Part number</td> </tr> <tr> <td>UTS18DCG2</td> </tr> </table>	Part number	UTS18DCG2
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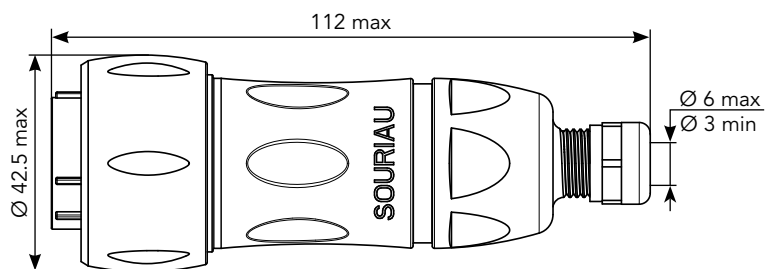
# UTS MPO Series

## Dimensions (mm)

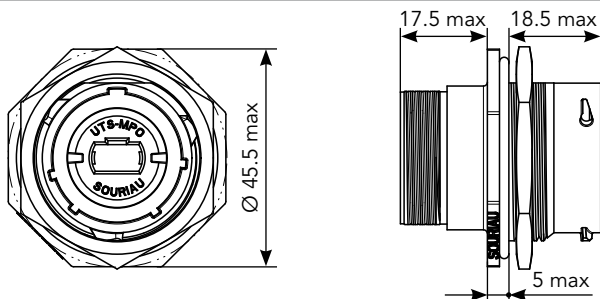
### Free Hanging Receptacle - UTS1JC18MPN



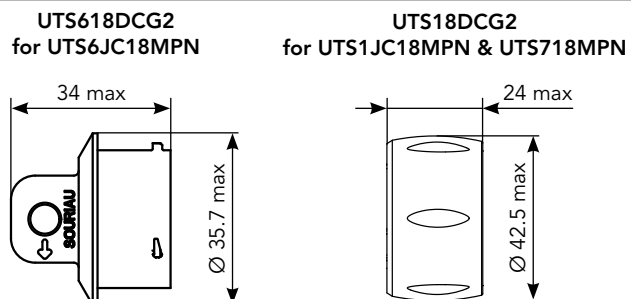
### Plug - UTS6JC18MPN



### Jam Nut Receptacle - UTS718MPN



### Sealing Cap



# SOURIAU

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