



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 connector
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/IP69K
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 MPO 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

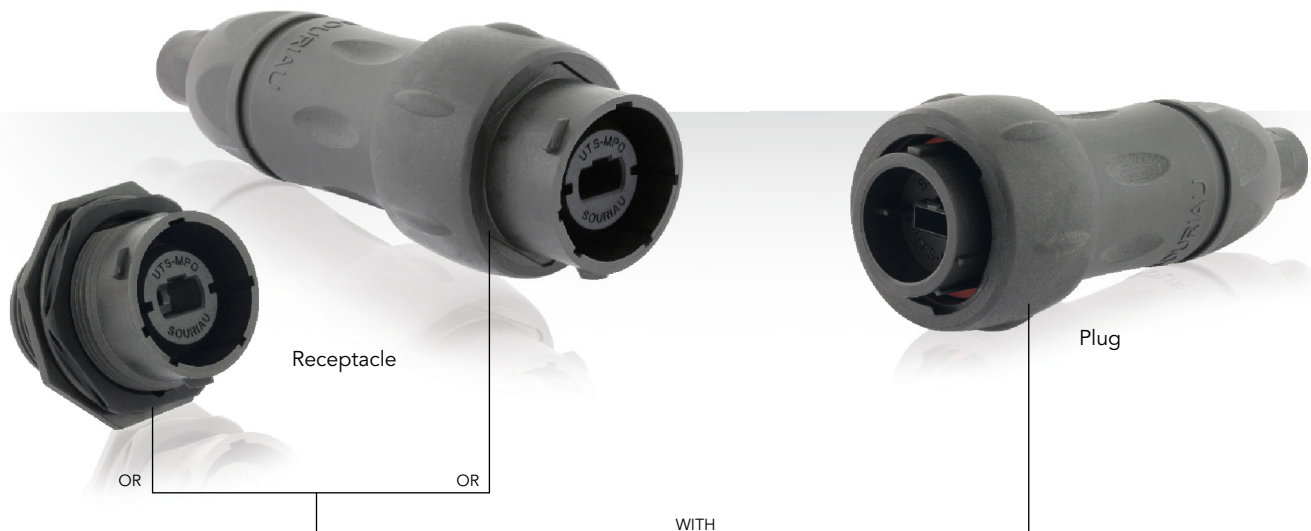
Environmental

- Change of temperature per IEC 61300-2-22: 12 cycles 1hour, from -40°C to +85°C
- Salt mist per IEC 61300-2-26: 96hours
- Sealing (mated) per IEC 60529: Dynamic IP68 under water for 1week, 1bar & IP69K
- 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 connector 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	-

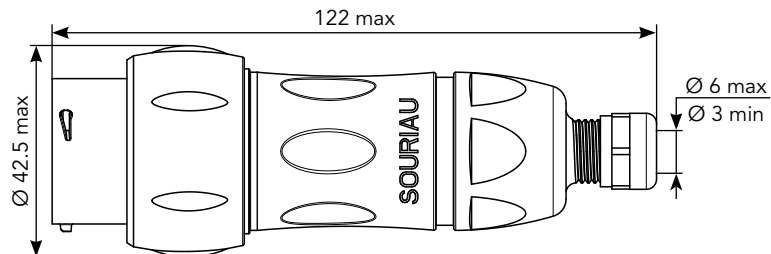
Accessories

Sealing Caps					
<p>For UTS6JC18MPN</p> 	<p>For UTS1JC18MPN & UTS718MPN</p> 				
<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
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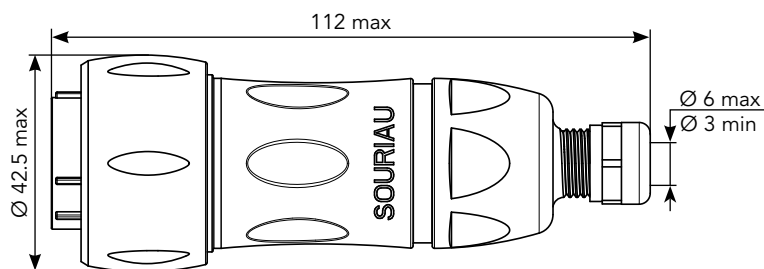
UTS MPO Series

Dimensions (mm)

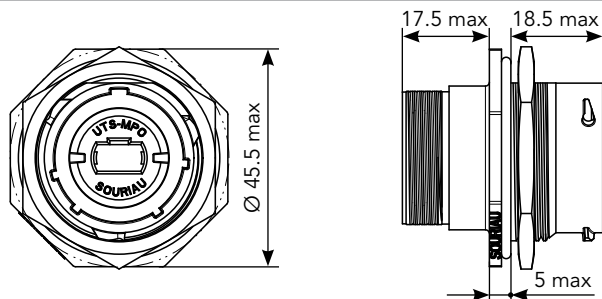
Free Hanging Receptacle - UTS1JC18MPN



Plug - UTS6JC18MPN

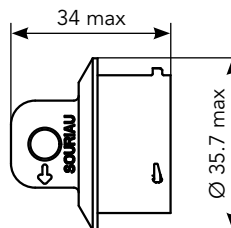


Jam Nut Receptacle - UTS718MPN

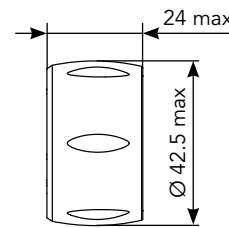


Sealing Cap

UTS618DCG2
for UTS6JC18MPN



UTS18DCG2
for UTS1JC18MPN & UTS718MPN



Note: all dimensions are in mm

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