



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/s² above 9Hz
- Change of temperature per IEC 61300-2-22: 12 cycles 1hour, from -40°C to +85°C

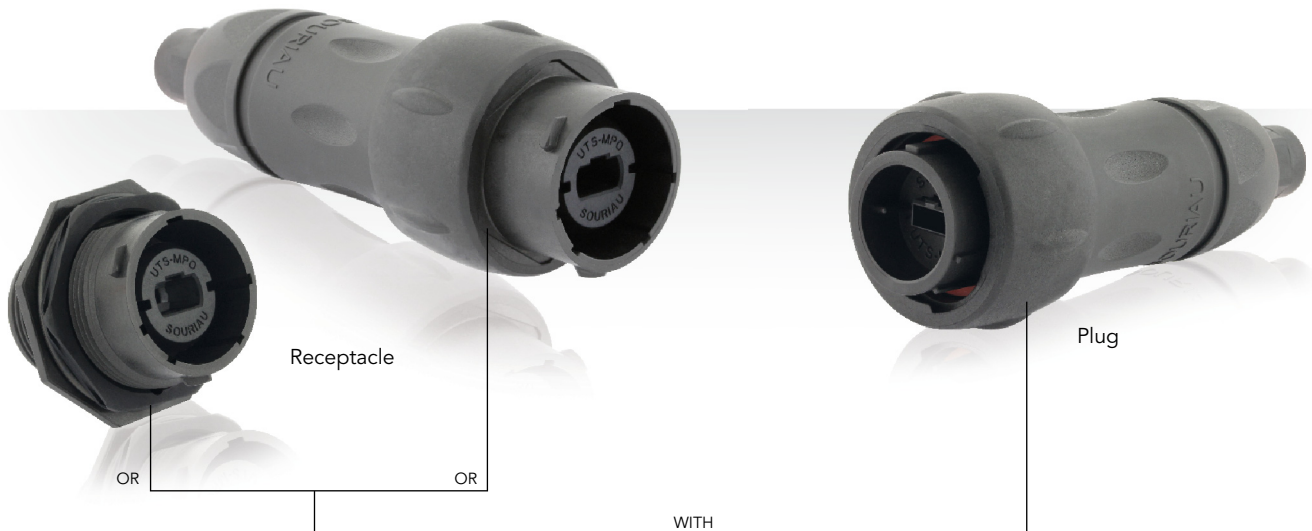
Environmental

- Temperature range: from -40°C to +105°C
- Salt mist per IEC 61300-2-26: 96hours
- Sealing (mated) per IEC 60529: Dynamic IP68 under 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

For UTS6JC18MPN



Part number
UTS618DCG2

For UTS1JC18MPN & UTS718MPN

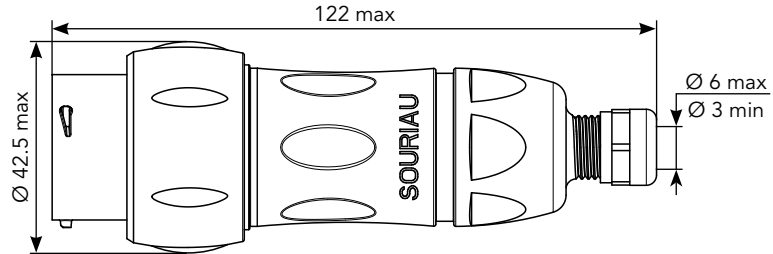


Part number
UTS18DCG2

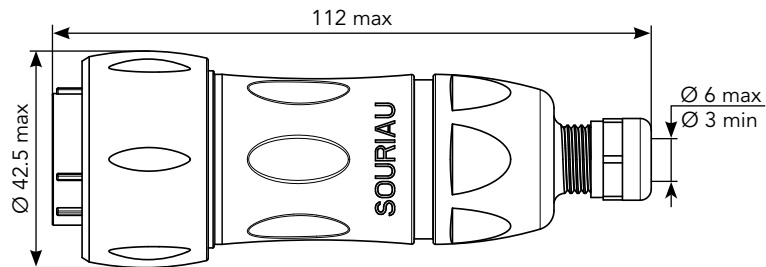
UTS MPO Series

Dimensions (mm)

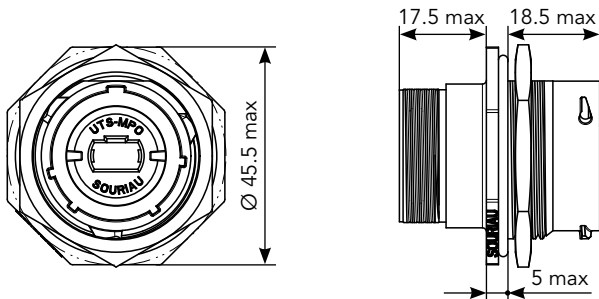
Free Hanging Receptacle - UTS1JC18MPN



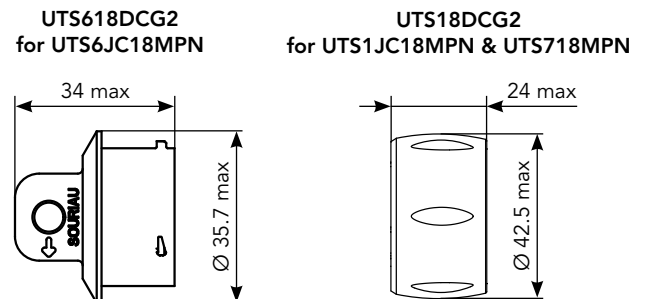
Plug - UTS6JC18MPN



Jam Nut Receptacle - UTS718MPN



Sealing Cap



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Esterline
Connection Technologies