

Amphenol LTW UL FICX Series

Simple & Reliable Cable Interconnections



Introducing our new developed cable joiner, UL FICX series, which is compliant with the UL2238 standard to extend industrial high demand for cable assemblies and fittings for control and signal distribution. The UL FICX series is designed with screw terminal termination, providing quick and practical field assembly. It is IP68 rated and equipped with UV resistant materials, that can meet the needs in LED lighting, aerospace, and marine applications.

The UL FICX series provides a varied selection of cable OD from 4.5mm to 12.5mm with different seal color to distinguish, and the shape comes out in in-line and T tube type. It is created for use in the environments where reliable interconnections are required.

Product Features & Benefits

High waterproof capacity
(IP68, 50m/24hrs)

Accommodate a wide range of
wire and cable's OD

Easy-grip design

UV resistant, F1 rated
per UL746C

Color identification
for different seals

Screw terminal termination



UL 2238, file number: E318730 /
CSA C22.2 No. 182.3, file number: E318730



Applications



Marine



LED Lighting



Renewable Energy



IP CCTV & Security



Industrial Automation



Broadband Wireless Access



Railway / MRT



Aerospace / Automotive /
Commercial Vehicles

and more...

Innovation in Waterproof Solution

* Design and specifications are subject to change without notice.

Specifications

I Tube UL11



Terminal Block Housing:
Screw Type

I Tube UL12



Terminal Block Housing:
End Barrier Screw Type

XI Tube UL13



Terminal Block Housing:
End Barrier Screw Type

T Tube ULT2



Terminal Block Housing:
Screw Type

General Specification

Number of Positions	2P, 3P, 4P & 5P
Current Rating	UL11: 20A for 2P, 3P & 4P UL12 & UL13: 20A for 2P & 3P, 15A for 4P, 8A for 5P ULT2: 20A for 2P & 3P, 15A for 4P
Voltage Rating	600 Vac/dc
Waterproof Rating	IP68 (50m, 24hrs)
Operating Temperature	-40°C~105°C
Wire Section	UL11: 18~12 AWG (0.75~3.5mm ²) UL12&13: 18~12 AWG (0.75~3.5mm ²) for 2~4P 18~14 AWG (0.75~2.5mm ²) for 5P ULT2: 18~12 AWG (0.75~3.5mm ²)
Cable OD (Seal Color)	● (BL) 4.5~6.5mm ● (YW) 6.5~8.5mm ● (GN) 8.5~10.5mm ● (RD) 10.5~12.5mm (UL11/T2) 10.5~11.5mm (UL12/13)
Recommended Torque	▪ Screws for wire connection: 2.0~4.5 Kgf.cm ▪ Gland tightening: 8~10 Kgf.cm

Technical Characteristics – Electrical

Insulation Resistance	100 MΩ Min. at 500 Vdc ±10%
-----------------------	-----------------------------

Environmental Conditions and Performance

Damp Heat, Cyclic	5 Cycles (-40°C~105°C, 80%~98% HR for 24 hours per cycle)
-------------------	---

Material Specification

Gland Nut	Nylon, UL Recognized, Black
Gasket (PG11 & PGT2)	Silicone, Yellow
Gland Body (PG12 & PG13)	Nylon+GF, UL Recognized, Black
L-Gasket	Silicone, Yellow
Seal	Silicone
Gland Pipe	Nylon+GF, UL Recognized, Black
Terminal Block Housing	Nylon+GF, UL Recognized, Black
Contact	Brass, Nickel-Plated
Screw	Stainless Steel

For more information, please contact:

Luc Kan | Sales & Marketing | Email: luc@ltw-tech.com

More Product Follow Us On 



Copyright © 2017 Amphenol LTW Technology Co. Ltd

5F-3, No. 51, Section 4, Zhongyang Road, Tucheng District, New Taipei City 236 Taiwan

Innovation in Waterproof Solution

* Design and specifications are subject to change without notice.