

Amphenol LTW

- Nominal current up to 30A
- Operating voltage up to 600V
- Screw-in, crimp, push-in terminations
- Suitable for wire 10 ~ 22 AWG (6.0 ~ 0.34mm²)

Cable Joiner

**Up to IP68 Mated
Waterproof**



FICX PG11 / FICX UL11

Screw thread
Plastic



FICX PG12 / FICX UL12

Screw thread
Plastic



FICX PG13 / FICX UL13

Screw thread
Plastic



FICX PGT2 / FICX ULT2

Screw thread
Plastic



M20

Screw thread
Plastic



M32

Push lock with latch
Plastic

Unrivalled InterConnects for Harsh Environments

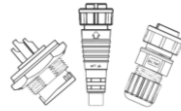
About ALTW

**3**

Production Sites
(Taiwan, China, Mexico)

**30+**

Market Applications

**90,000+**

Products

Since 1993, Amphenol LTW Technology “ALTW” lives and breathes to create, innovate, design and produce “***unrivaled interconnects for harsh environments***”. With over 300 worldwide patents, not only does ALTW offer the broadest and widest range of rugged interconnects in the industry but also customization with the mission of “Customer Satisfaction First”. Undoubtedly, ALTW is the leader in rugged interconnects, highly recognized for its uncompromising quality, short lead time, fast and tailored service and its very competitive pricing.

Regardless of the challenging environments that your products will be subject to; there is a very good chance that you will find what you are looking for with ALTW.

Unrivaled InterConnects for Harsh Environments

Cable Joiner

Amphenol LTW's Cable Joiner was designed and developed for simple, quick and reliable cable interconnections.

It is available in several options to meet various cable O.D. and wire sizes. Amphenol's cable joiner also meets the latest requirements for locking protection. Installation is quick and simple with standard crimping terminals or screw terminal blocks for different application needs.

- ❖ IP67 / IP68 mated
- ❖ Nominal current up to 30A
- ❖ Operating voltage up to 600V
- ❖ Screw-in, crimp, push-in terminations
- ❖ Suitable for wire 10 ~ 22 AWG (6.0 ~ 0.34mm²)
- ❖ RoHS & REACH compliant



Product Range Overview

SUB SERIES	FICX PG11	FICX PG12	FICX PG13	FICX PGT2	FICX UL11
Mating Style	Screw Thread	Screw Thread	Screw Thread	Screw Thread	Screw Thread
Plastic Version	✓	✓	✓	✓	✓
No. of Contacts	2 ~ 5	2 ~ 5	2 ~ 5	2 ~ 5	2 ~ 5
Operating Voltage (AC/DC)	450V	450V	450V	450V	600V
Nominal Current	16A, 20A	8A, 15A, 20A	8A, 15A, 20A	10A, 15A, 20A	15A, 16A, 20A
Operating Temperature	Field Serviceable/Installable: -40°C ~ 105°C				
Field Serviceable/Installable	✓	✓	✓	✓	✓
IP Rating	IP68	IP68	IP68	IP68	IP68
UV Resistant	✓	✓	✓	✓	✓
Flammability Rating	UL94V-0	UL94V-0	UL94V-0	UL94V-0	UL94V-0
RoHS Compliant	✓	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓	✓
Certifications	-	-	-	-	UL2238, UL50e
Applicable Wire Gauge	18 ~ 14AWG	18 ~ 14AWG	18 ~ 14AWG	18 ~ 14AWG	18 ~ 14AWG

SUB SERIES	FICX UL12	FICX UL13	FICX ULT2	M20	M32
Mating Style	Screw Thread	Screw Thread	Screw Thread	Screw Thread	Push Lock With Latch
Plastic Version	✓	✓	✓	✓	✓
No. of Contacts	2 ~ 5	2 ~ 5	2 ~ 5	4	4
Operating Voltage (AC/DC)	600V	600V	600V	-	-
Nominal Current	8A, 15A, 20A	8A, 15A, 20A	10A, 15A, 20A	10A	15A, 30A
Operating Temperature	Field Serviceable/Installable: -40°C ~ 105°C				
Field Serviceable/Installable	✓	✓	✓	✓	✓
IP Rating	IP68	IP68	IP68	IP67	IP67
UV Resistant	✓	✓	✓	✓	✓
Flammability Rating	UL94V-0	UL94V-0	UL94V-0	UL94V-2	UL94V-0
RoHS Compliant	✓	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓	✓
Certifications	UL2238, UL50e	UL2238, UL50e	UL2238, UL50e	-	-
Applicable Wire Gauge	18 ~ 14AWG	18 ~ 14AWG	18 ~ 14AWG	22 ~ 16AWG	12 ~ 10AWG, 16 ~ 14AWG

Served Markets & Applications

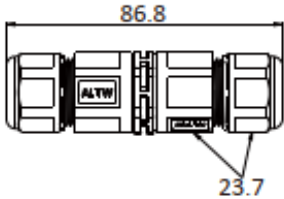
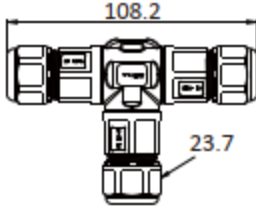
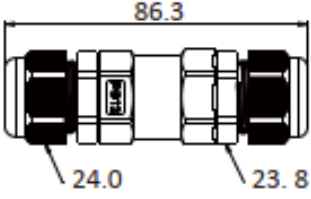
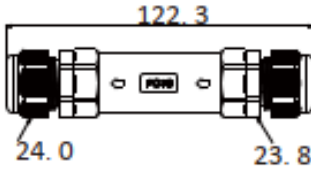
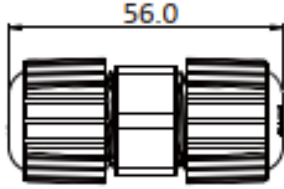
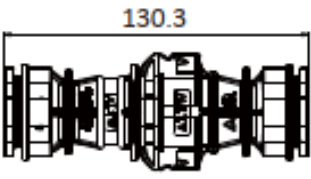


Market	Application	
LED Lighting	• Architectural Lighting • Residential, Medical, and Commercial Lighting • Street, Parking, Park, and Tunnel Lighting	• Entertainment and Signage Lighting • Horticulture, Grow, & Warehouse Lighting
Marine	• HVAC, Power Distribution and Control • Lighting System	• USB Charging port • Entertainment: Video, Audio, Decorative
Broadband Wireless Access	• Access Point: LTE, 5G • Cellular and Mobile Station	• Wireless Router • Other Communication Equipment
Renewable Energy	• Photo Voltaic (PV), Concentrated Solar Power (CSP) • Power Distribution and Control: Inverter, MLPE, ICS	
Heavy Equipment	• Lighting Systems • Power Distribution • Safety System: Telematics & Tracking	
Remote Video Response Center	• Monitoring: Display ,CCTV, Dome, IP Camera • Detection: Auto-License Plate Recognition, Alarm	• Alarm • Lighting: Interior and Exterior



Connector Size

(unit: mm)

FICX PG11 FICX UL11	✓ Screw Type	
FICX PGT2 FICX ULT2	✓ Screw Type	
FICX PG12 FICX UL12	✓ End Barrier Screw Type	
FICX PG13 FICX UL13	✓ End Barrier Screw Type	
M20	✓ Non-Assembly / Crimp Type	
M32	✓ Non-Assembly / Crimp Type	



Amphenol LTW

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