Amphenol LED Market

Amphenol LTW

Our History

LTW Technology, established in 1993, is a professional designer and manufacturer of waterproof connectors. In April of 2010, LTW Technology was acquired by Amphenol Group and officially changed its company name to "Amphenol LTW Technology Co., Ltd.".

Amphenol LTW successfully develops high-end waterproof connectors to meet strict requirements for various outdoor and industrial applications; we also have many worldwide patents and certification such as ISO 14001. ISO 9001 and NMEA 2000.
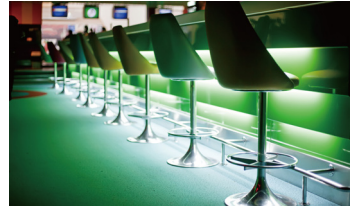
Amphenol LTW is not only a supplier of waterproof connectors but also a solution provider in diversified market segments.

Our Mission

Amphenol LTW is fully committed to fulfill every customer's desire in their interconnection needs. The customized ability and wide-ranging products make us unique from competitors. Furthermore, high standard in product quality and outstanding customer service are to be expected.

- Customized capability for all interconnect solution
- Breakthrough innovation
- High standard in product quality
- Worldwide customer base
- Wide-ranging products for your market segment needs

Amphenol LTW strives to be the world's preferred interconnect solution provider.

LED Market

At Amphenol LTW, we understand the unique interconnect needs of the LED market and its vast application. We know that long life, minimal maintenance, extreme energy efficiency and a sensitivity to moisture in both indoor and harsh outdoor environments are paramount to LED applications.

Whether you need signal connectors, power connectors, hybrid connectors, complete cable assemblies, or a highly customized value-added product, Amphenol has the right solution for your LED application.

Amphenol's connectors and cable assemblies are engineered to work in any environment and to adhere to the strictest international requirements. With IP65 to IP68 waterproof ratings, EMI and UV resistance, UL, CE and/ or TUV approvals - ALTW's wide array of products can be used for all LED applications.

ALTW's Intelligent Pre-Cabling System and Solutions (IPCS) is your answer for incorporating LED Lighting in tunnels, streets, freeways, highways, retail and commercial buildings, buses, trains, ships, aircrafts, or anywhere. No matter the LED retrofit and/or LED Lighting you intend to use, ALTW's IPCS can solve your need for electrical wiring and cabling infrastructure and help you SAVE 20% to 80% off of your installation time and cost. ALTW's IPCS provides peace of mind, quality workmanship and no power drop which is crucial to LED Light Quality.

Eventually, your total cost of ownership is greatly minimized.

LED Application

Architecture Lighting

• Bridge

• Façade

• Monument

Outdoor Display

• Entertainment

• Advertisement

General Lighting I Residential

• Interior

Intelligent Pre-Cabling System Solution

Various trunk cable with our existing waterproof connector available!
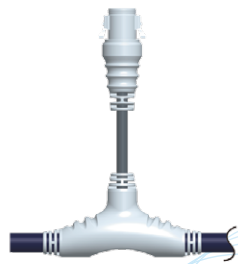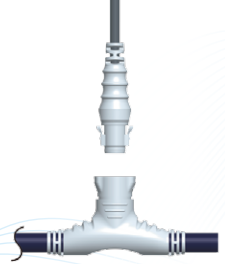
X-lok type

RBL type

Trunk cable overmolded with cable (X-Lok)

Trunk cable with receptacle (X-Lok)

Trunk cable overmolded with cable (RBL type)

Trunk cable with receptacle (RBL type)

General Lighting Ι Commercial

- Office
- Hospitality
- Retails / Shops

General Lighting Ι Industrial

- Assembly lines
- Industrial warehouse
- Agriculture

General Lighting Ι Outdoor Stationary

- Street Lighting
- Tunnel / Roadways
- Parking Garages

Amphenol LTW

Product Focus

⬂ RBL Connector

- Snap-in with Latch Type
- Receptacle, Overmolded With Cable & Field Installable available
- 5A / UV Resistant
- IP67 waterproof mated or unmated

- Operating temperature
  - Field installable: -40°C~105°C
  - Receptacle: -40°C~105°C
  - Overmolded with Cable: -20°C~80°C

⬂ X-Lok Connector

- Push Lock Type
- Receptacle, Overmolded With Cable & Field Installable available
- 3 contacts / 20A / UV Resistant
- IP67 waterproof mated or unmated

- Operating temperature
  - Field installable: -40°C~105°C
  - Receptacle: -40°C~105°C
  - Overmolded with Cable: -20°C~80°C
- Safety Locking

⬂ Circular Connector

- Screw Threaded Type, Lock Bayonet Type or Push Lock Type
- Receptacle, Receptacle with cable, Overmolded With Cable & Field Installable available
- Options from 2 to 31 contacts, 2A to 20A / Hybrid available
- UV Resistant

- IP65/66/67/68 waterproof mated or unmated
- Operating temperature
  - Field installable: -40°C~105°C
  - Receptacle: -40°C ~ 105°C
  - Receptacle with cable: -20°C ~ 80°C
  - Overmolded with cable: -20°C ~ 80°C
- Various sizes, over 1000 items, plastic & metal

⬂ Power Connector

- Screw Threaded or Lock BayonetType (2 & 3 points)
- Receptacle, Overmolded With Cable & Field Installable
- Receptacle, Overmolded With Cable & Field Installable
- Options from 2 to 7 contacts, 8A to 30A / Over 110 plastic items
- UV Resistant / Hybrid availiable

- Perating temperature
  - Overmolded with Cable: -20°C ~ 80°C
  - Receptacle: -40°C ~105°C
  - Field installable: -40°C ~105°C
- IP67/68 waterproof mated or unmated
- Customizations are possible
- Safety locking available (25A & 30A)
- Touch Safe (IP2X) available (25A & 30A)

⬂ M Series Sensor Connector

- Available in M8 (3P~5P & 8P); M12 (3P ~ 12 in A, B, D & X Codes); Mini 7/8" 5P
- Compact and rugged design available in IP67/IP68 waterproof
- Available in Stamped, Screw-In, PCB and Solder Contacts
- Receptacle (M12 90° PCB), Field Installables & Molded With Cable
- UL/CSA Approval
- Hybrid Available Upon Request

- Operating temperature
  - Field installable: -40°C ~105°C
  - Receptacle: -40°C ~105°C
  - Overmolded with Cable
    PVC Cable: -20°C~80°C
    PU Cable: -20°C~85°C
- Hexagonal-Shaped Diecasted Screw Nuts for Cable Assy for easier Tool access
- PVC, PUR Jackets available for cables (Sun, Oil Resistant & Flame rated)
- Meets industry standards (IEC, NMEA2000, DeviceNet, EtherNet I/P, Profibus & ProfiNet)

* Design and specifications are subject to change without notice.

Product Focus

⬊ RJ Connector

- Screw Threaded or lock Bayonet Type
- Receptacle, Overmolded With Cable & Field Installable available
- Shielded & Unshielded versions
- Fast connectivity Networking in Harsh environments
- UV Resistant

- IDC, RJ Jack in 180 & 90 deg., Terminal Block and Cable terminated
- Meets industry standards (ODVA, ProfiNet)
- Operating temperature
  - Overmolded with Cable: -20°C ~ 80°C
  - Receptacle: -40°C ~105°C
- IP67/IP68 mated and unmated

⬊ SSL Connector

- For B-to-B, W-to-B, W-to-W
- Available in 1P, 2P, 4P and 6P
- Standard or IP67
- SMT Board Connector for PCB: FR4, MC, or Ceramic
- With and without Mountingboard lock
- With or Without Lock or Latch
- Board Connectors in Right Angle, Straight, or Inverted

- Horizontal or Vertical Connection or Disconnection
- Overmolded Cable Straight or Right Angle
- Operating temperature: -40°C ~100°C
- Natural white color for all connector housings and over-molding
- UL recognized (UL approved upon request)
- Lead Free and RoHS Compliant

⬊ Sata Connector

- Snap in with latch: insertion and extraction are easy and quick
- Overmolded With Cable and PCB type (Socket) for SMD or DIP
- Harpoon board lock or flat board lock
- SATA 2.6 / 7P / 1.5A
- Over-molded Wires Size : #26
- UL recognized materials

- Lead Free and RoHS Compliant
- PCB thickness 1.6 mm
- IEC 60529 / IP67 mated
- Sata III available (upon request)
- Operating temperature
  - Receptacle: -20°C ~ 80°C
  - Overmolded with Cable: -20°C ~ 80°C

⬊ PV AC Connectors / T-Junction

VTC

SMC

BMC

VTC (T-Junction / SMC)
- 3 or 4 Contacts
- 300 V/AC, 5A Drop, 30A Trunk
- IP 67 waterproof
- UV Resistant
- Operating temperature :
  - Ambient: -40°C ~ 85°C
  - Upper Limited: 105°C
- Intertek approved to UL6703A & UL9703

- Uninterrupted cable – Lower power drop then conventional cabling systems
- Various configurations of pitch and T Connector Quantity
- Cable End-Cap and Cable Joiner available
- Ease of installation and service

BMC
- 3 & 4 Contacts
- 300V AC, 17A
- Cable TC-ER, UV resistant
- Operating temperature :
  - -40°C ~ 105°C

- ETL approved according to UL 6703A
- Overmolded with cable, plug-nplay
- IP 67 waterproof
- Touch Safe (IP2X)
- Safety Locking

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