



Description

- The UTL Series is a plastic connector range that meets industrial safety standards.
- UTL can be used for power supply and power + control supply with DMX or RDM signal.
- The «Key hole» of the coupling system allows blind mating. In dark conditions the mechanical discriminations allow easy mating to avoid connector damage.
- The stainless steel latch coupling system is simple to use. With only 1 finger, connectors are mated with an audible click.
- The UTL Series is rated at IP68/69K even in dynamic conditions and remains sealed even when used continuously underwater or cleaned using a high pressure hose while the cable is moving.
- The UTL Series uses an outdoor rated material per Underwriters Laboratories.
- Cable assembly equipped with DMX + Power cables suitable for outdoor use (PUR or Neoprene outer jacket), please consult us for more information.

Technical features

Materials

- **Housing:** Thermoplastic
- **Contacts:** Copper alloy
- **Latch:** Stainless steel

Electrical

- Connector specially designed to be engaged or disengaged in normal use when live or under load
- First Mate Last Break contact mating on ground line
- Signal lines (for UTL102G1W3 & UTL122G1W5): RS485 compliant, 2.5A 10V
- Finger touch proof
- **In accordance with:**
 - Connector standards:
 - . UL 1977: UL file number ECBT2.E169916
 - . IEC 61984: please consult us
 - . C22.2 N°182.3: file number ECBT8.E169916
 - Equipment standards:
 - . IEC60065, IEC60598, IEC61076-2-103, IEC60320

. UL1598, UL498, UL94 , UL746



Environmental

- **Operating temperature (according to IEC61984):**
From -40°C to +105°C for connector
- **Flammability rating:**
UL 94: V-0 for connector
UL94: 5VA for thermoplastic
UL746C: 5 inch (127mm) end-product flame test
- **Salt spray:**
≥1,000 hours
- **UV resistant:**
No mechanical degradation or important color variation due to environmental exposure (F1 material per the UL 746C)
- **Sealing:**
 - IP68/69K mated with standard contacts
 - IP68/69K unmated with specific contacts
 - IP68 1 bar / 1 week

- Moisture proof capability
- **Fluid resistance:**
 - Gas and oil
 - Mineral oil
 - Acid bath
 - Basic bath
 - For other fluids, please consult us

- **Halogen free**

- **RoHS compliant**



Mechanical

- **Durability:**
 - 250 mating in CBC (Current Breaking Capacity) use (UL1977; IEC61984)
 - 500 mating in COC use (IEC61984)
 - 1,000 matings & unmatings tested
- **Coupling system:**
 - Sensitive and audible click
 - Blind mating
- **Touchproof:**
IP2X in unmated condition (connector equipped with socket contacts)
- **Shock:**
IK08 according to IEC60984