

Teklite™***In-Line Splicing Connectors*****TC 017 Series UY4 C—The Most Versatile Full Pair Wire Connectors in the Copper Cable Network System.**

The **Teklite™** In-Line splice wire connectors are the most versatile in application and usage.

The connectors are designed and built around proven Insulation Displacement Connection (IDC) technology using superior materials and best manufacturing practices.

A single crimp displaces the insulation and provides a cold solder equivalent connection, delivering low contact resistance.

Environmentally sealed UY4 Wire Connectors can endure extreme and harsh climatic conditions with reliability you can depend on for 40 or more years.

Features:

- The UY4 C connectors permits repeated re-entry, 20 times or more, without reducing the performance of the joints, leading to substantial reduction of repair or rework cost.
- The connector can be used for "Straight", "Tap or Bridge" splicing applications.
- Unlike Butt splicing, the In-Line splicing reduces the splice bundle size substantially, thereby saving in your costly closure requirement.
- Pre-filled with sealant the connector offers excellent resistance to moisture and water penetration.
- Pre-crimp feature prevents slipping of conductors after positioning in the connector, reduces craftsman's fatigue and saves time.
- The connector accepts solid copper conductors from 0.32 to 0.65 mm with max insulation diameter of 1.65 mm.
- No special tools are required for splicing operation.
- Built-in strain relief provides excellent resistance to torsion and bending at the splice joint.

**UY4 C for water resistant splicing**

Pre-filled with sealant, the connector offers excellent resistance to high humidity, condensation and exhibits good resistance to water penetration.

**UY4 CD for non-pressurized cable splicing**

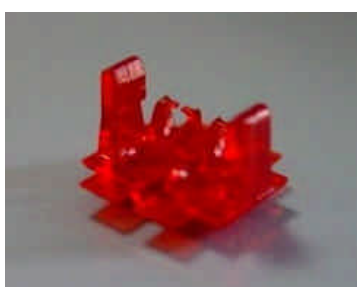
Dry version of UY4 C, the connector is specifically made for non-pressurized joints with air core cables or for special applications.

Your advantage is our business

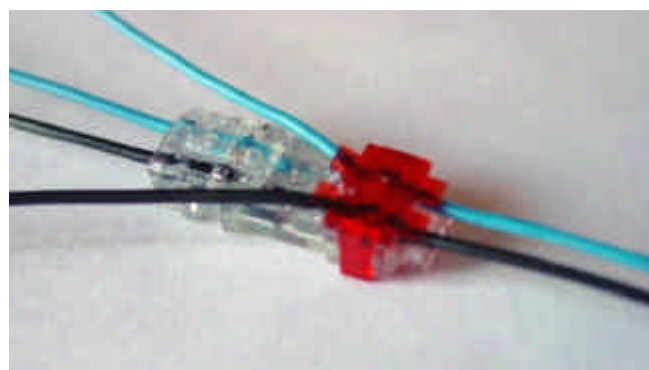
Teklite™ In-Line Splicing Connectors

Tap Splicing

UY4 CT Cover



The tapping covers made of durable Polycarbonate plastic enhances the application range of UY4 C or CD connectors for bridge or tap splicing.



Tap Splicing procedure

The "Flaps" from either side of connector cover, where the Tapping need to be done, can be removed by rocking the flap till the cover is broken.

Insert the through conductors into the wire channels with grips of UY4 CT cover and place it on to the connector body. Ensure the locking ribs of the UY4 CT cover is properly aligned with the locking slot of the connector body.

Using hand pressure press the cover as far as possible in to the connector. To complete the splice use simple parallel jaw pliers till the cover is secured in the connector body.

Technical specifications:

Materials:

Connector Body:	Polycarbonate
Connector cover:	Polycarbonate
Contact:	Phosphor bronze Tin plated
Sealant:	Water resistant compound

Wire range:

Conductor Ø:	0.32 to 0.65 mm
Insulation Ø:	1.65 max

Performance characteristics:

Mechanical:

Wire pullout:	>80% of specimen wire strength
Torsion & Bending	> 15 cycles
Re-entry connectability:	> 20 times

Electrical:

Contact resistance:	< 1 μ
Current rating:	5 A continuous
Dielectric strength—Dry:	Pair to pair > 20 KV ac Tip to Ring > 2 KV ac
Dielectric strength—Filled:	Pair to Pair > 40 KV ac Tip to Ring > 3.5 KV ac

Environmental:

Operating temp:	-40 to 60°C
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Insulation Resistance

Dry atmosphere:	> 100,000 M Ω with 250 V DC
High Humidity:	> 100 M Ω with 250 V DC
Water Immersion:	90 % > 100 M Ω with 250 VDC

Contact Resistance

Temp cycling (-40 to 60°C):	CR variation < 1 μ
Thermal shock (-192 to 82°C):	CR variation < 1 μ
Salt fog:	CR variation < 1 μ
Vibration:	CR variation < 1 μ