



# Teklite™ Cable Splicing Connectors

## TC 017 Series Discrete Wire Connectors

### Simple and Economical solutions for all types of cable splicing requirements

Teklite™ discrete wire connectors are ideally suited for all types of cable splicing needs. Use of simple tools and small splice bundle, offer you the advantage of economy with the reliability you can depend on for 40 or more years.

Designed and built around proven Insulation Displacement Connection (IDC) technology and manufactured using best practices, the Teklite™ Discrete Wire Connectors can endure harsh climatic conditions. A single crimp displaces the insulation and provides a cold solder equivalent connection, delivering low contact resistance.

Teklite™ connectors are available in different types and versions for all your splicing applications and solutions. The connector covers are color coded for easy identification.

The new "2" series with increased port hole size and double contact design, offers the advantage of full wire range.



#### Water resistant splicing

The connectors normally pre-filled with sealant, protects the joint from humidity, condensation and exhibits good resistance to water penetration.

#### Features:

Reduced splice bundles leading to cost effective splicing solutions.

Clear body permits visual inspection of joints.

Insulation Displacement Connection (IDC) provides solder equivalent joint. No need for stripping of the insulation.

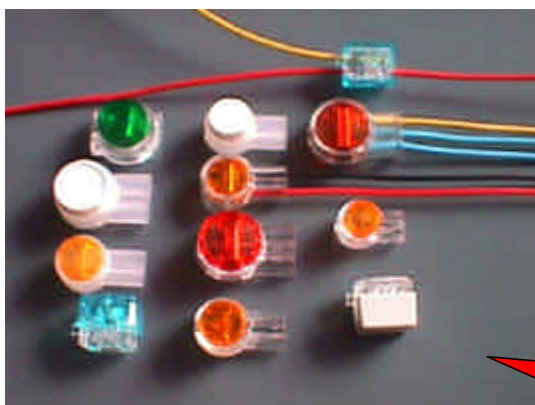
Filled connectors provide excellent water and moisture resistance.

Full range of products with 2 or 3 wires for straight, half tap or bridge splicing.

The 2C & 2P series connectors accept copper conductor wire range from 0.32 to 0.90 mm.

P type connectors with solvent resistant plastic insulation.

Color coded connector covers for



Connectors are also available in dry versions for special applications or pressurized joints.

Mixing of different conductor size and insulation types are permitted.

Connector types with "P" suffix are made of solvent and chemical resistant plastic.



**Your advantage is our business**

## Teklite™ Cable Splicing Connectors

### TC 017 Series Straight Splice – Butt Connectors

#### UY C, UY2 C Premium Connectors

The 'C' type **Teklite™** discrete wire connectors are made of durable Polycarbonate plastic to meet high standards of performance and cost effective premium splicing requirements. Pre-filled with sealant the connectors are primarily used for PIC cable joints.

##### UY C



Smallest in the **Teklite™** TC 017 series, UY C is ideally suited for small splice bundle size. The connector with 2 ports, accept solid copper conductor combination from 0.32 to 0.70 mm diameter with maximum insulation outer diameter of 1.52 mm.

##### UY2 C



The 2 wire connector with large ports accept full wire diameter range from 0.32 to 0.90 mm of solid copper conductor with maximum insulation diameter of 2.08 mm. Mixing of conductor types and size are possible. Pre-filled with sealant, the joints are effectively protected from water and moisture.

#### UY P, UY2 P, UY2 PD for Very Economical Splicing Solutions

The "P" type **Teklite™** discrete wire connectors are one of the most popular Butt type connector used in the telecommunication outside plant Network. Made of Polypropylene, the connector offer excellent resistance to solvents, especially to alkaline soil conditions.



##### UY P

The most economical in the **Teklite™** TC 017 series, UY P is similar to UY C connector and are ideal for small splicing bundle size.

The connector with 2 ports, accept solid copper conductor combination from 0.32 to 0.70 mm diameter with maximum insulation outer diameter of 1.52 mm.

##### UY2 P

The UY2 P discrete wire connector is compact in size and ideally suited for most of your straight splicing needs.



The 2 wire connector with large ports accept full wire diameter range from 0.32 to 0.90 mm of solid copper conductor with maximum insulation diameter of 2.08 mm. Mixing of conductor types and sizes are possible. Pre-filled with sealant, the joints are effectively protected from water penetration and moisture.



##### UY2 PD

The UY 2 PD is the dry versions of UY 2P butt connector with out encapsulation of sealant.

The connector is made for air core cables in pressurized network or for special applications.

# **Teklite™ Cable Splicing Connectors**

## TC 017 Series Bridge Splice – Butt Connectors

### **UR C & UR2 C Premium Connectors**

The **Teklite™** 'C' type connector with "R" designation are 3 wire connectors made of durable Polycarbonate plastic to withstand *harsh temperature* conditions. They are specifically designed for "Bridging" to re-arrange or transfer the existing network with out interrupting the service. Pre-filled with sealant the connectors are primarily used for PIC cable joints.



#### **UR C**

The UR C is a butt connector having 3 ports and accept any combination of two or three solid copper conductors from 0.32 to 0.70 mm with maximum insulation of 1.65 mm. This butt type connector can be used for straight or bridge splicing and is pre-filled with sealant for moisture protection.



#### **UR2 C**

The 3 wire connector with large ports accept full wire diameter range from 0.32 to 0.90 mm of solid copper conductor with maximum insulation diameter of 2.08 mm. Mixing of conductor types and size are possible. Pre-filled with sealant, the joints are effectively protected from water and moisture.

### **UR2 P & UR2 PD Straight & Bridge Splicing with Economy**

The "P" type **Teklite™** 3 wire Butt type connectors are ideally suited for economical Bridge splicing to transfer, repair or re-arranging the existing Cable Network. Made of Polypropylene, the connector offer excellent resistance to solvents, especially to alkaline soil conditions.



#### **UR2 P**

The UR2 P is a butt connector with 3 ports and double IDC contact. It can accept 2 or 3 solid copper conductors from 0.32 to 0.90 mm diameter having maximum insulation diameter of 2.08 mm.

Like all other **Teklite™** discrete wire connectors, mixing of conductor gages are permitted. The connector can be used for straight tap or bridging application.

The standard connector is pre-filled with sealant for protection against humidity and condensation.



#### **UR2 PD**

The UR2 PD is the dry version of UR2 P butt connector with out encapsulation of sealant.

They can be used for pressurized cable network with dry core cables or for special applications.

UR2 P and UR2 PD are available in box, bin, bulk and cartridge.

## **Teklite™ Cable Splicing Connectors**

### TC 017 Series Tap Splice Connectors

#### **UB C, UB D & UG C Premium Connectors**

These **Teklite™** connectors designed with pre-crimp feature permits "Tapping" on to an existing conductor without interruption of service. Made of durable Polycarbonate plastic the connector is specifically designed for "Tapping" for transfer or re-arrangement with out the need of opening of conductor pairs.



#### **UB C**

The connector accept solid copper conductors up to 0.65 mm diameter with maximum insulation of 1.3 mm.

Pre-filled with sealant, the joints are effectively protected from water and moisture.



#### **UB D**

UB D is the dry version of UB C, with out sealant encapsulation for specific application. The connector cap is color coded white.



#### **UG C**

Built with double element, this tap connector accept any solid copper conductors from 0.32 to 0.90 mm with maximum insulation diameter of 1.67 mm.

UG C is pre-filled with sealant for moisture protection.

#### **UB2 P & UB2 PD for Convenience with Economy**

The "P" type **Teklite™** Tap connectors offers convenience with pre-crimp features and full wire range from 0.32 to 0.90 mm conductor diameter. Ideally suited for economical Bridge splicing to transfer or repair the existing Cable Network, the connector is made of Polypropylene, offering excellent resistance to solvents, especially to alkaline soil conditions.



#### **UB2 P**

The UB2 P, is tap connector similar to UB C, but with larger ports to accept conductor diameter from 0.32 to 0.9 mm with max insulation diameter of 2.08 mm. Filled with sealant they can offer excellent protection against high humidity and water penetration.



#### **UB2 PD**

The UB2 PD is the dry version of UB2 P Tap connector with out encapsulation of sealant. These are useful for pressurized cable network or for special applications.

UB2 P and UB2 PD are available in box, bin, bulk and cartridge.

## Product information summary

### TC 017 Series Discrete Wire Connectors

Product	Part No		Feature	Color code	Wire size in mm	Insulation type	Packing
	UY C	Straight splicing Butt type	2 wire, filled connector with Polycarbonate body.	Yellow	Conductor 0.32–0.7. Insulation O.D max 1.52.	PIC, pulp or paper	Box:- 100 nos/box; 1,000 nos/carton. Bin:- 100 nos/bag; 1,000 nos/ bin. Bulk:- 1,000 nos/ box; 10,000 nos/ carton.
	UY P		Similar to UY C, but made of Polypropylene for solvent resistance. Most economical.	Yellow	Conductor 0.32–0.7. Insulation O.D max 1.52.	PIC pulp or paper	
	UY2 P		Full wire range, 2 wire, filled, Polypropylene connector. Best suited for general application	Yellow	Conductor 0.32–0.9. Insulation O.D max 2.08.	PIC, pulp or paper	
	UY2 PD		Dry version of UY2 P, for specific application. (no sealant filling)	White	Conductor 0.32–0.9. Insulation O.D max 2.08	Unfilled PIC, pulp or paper	
	UY2 C		New version of UY2 P made of Polycarbonate plastic, 2 wire, full wire range and filled with sealant.	Yellow	Conductor 0.32–0.9. Insulation O.D max 2.08	PIC, pulp or paper	
	UR C	Bridge / Straight Splicing	A 3 wire, filled connector, for straight or bridge splicing, made of Polycarbonate.	Red	Conductor 0.32–0.7. Insulation O.D max 1.52.	PIC, pulp or paper	
	UR2 P		3 wire, filled, full wire range connector made of Polypropylene for straight or bridge splicing.	Red	Conductor 0.32–0.9. Insulation O.D max 2.08	PIC, pulp or paper	
	UR2 PD		Dry version of UR2 P, made of Polypropylene for pressurized joints or specific application.	White	Conductor 0.32–0.9. Insulation O.D max 2.08	Unfilled PIC, pulp or paper	
	UR2 C		A new version of UR2 P, filled connector made of Polycarbonate, for special application needs.	Red	Conductor 0.32–0.9. Insulation O.D max 2.08	PIC, pulp or paper	
	UB C & UB D	Tap splicing	Tapping connector with pre-crimp feature for transfer without service interruption. UB C—Filled and UB D is dry version.	C-Blue D—white	Conductor 0.32–0.7. Insulation O.D max 1.30.	UB C for jelly filled UB D for paper	
	UB2 P & UB2 PD		Tapping connector made of polypropylene similar to UB C, for transfer without service interruption. UB C—Filled and UB D is dry version.	P-Blue PD-White	Conductor 0.32- 0.9. Insulation O.D max 2.08 mm.	UB2 P for jelly filled UB2 PD for paper or pulp	
	UG C		The UG C made of Polycarbonate is a filled, tap connector with double contact and accept larger cable diameters.	Green	Conductor 0.32–0.9. Insulation O.D max 1.7.	PIC, pulp or paper	

Note:- UY, UY2, UR and UR2 series are available in cartridge. 10 nos/ cartridge, 100 nos/box, 1,000 nos/ carton.