KĀUDEN™

Item Code LJUY2
Two-way Gel filled Crimp Connecter

- For joining solid core telephone and communications wires. Polypropylene casing
- Designed for applications covering aerial, buried and underground construction
- filled with a moisture resistant compound to provide moisture proof connections
- No need to strip the insulation as uses Insulation Displacement Connecters (IDC)
- Supplied in a pack of 100

Designed for applications covering aerial, buried and underground locations. Filled with sealant ensuring performance in the most stringent environmental conditions. The connector can provide total environmental sealing around IDC-contacts. The filling compound is prepared from fully synthetic dimethyl silicone fluid. All material is suitable for operation with maximum temperature up to 70 degrees C .

All materials used in the connectors are non-toxic and dermatologically safe, but end users are advised to observe hand washing practices and other practices that are used with Gel Filled Crimps.

Packaging

Sale Unit	100 Crimps in heat sealed polybag.	
Barcode	5028088011959	
Commodity Code	8536901000	
Dimension Packed	110x130x20mm	Height Width Depth
Weight Packed	0.061 kg	

For Trade and Bulk buyers

Inner pack Quantity	10 x packs of 100
Dimension	7.5x13x20 cm
GW.	0.65 kg
Outer Carton Quantity	100 x packs of 100
Dimension	41x28.5x22 cm
NW.	6.5 kg
GW.	7.5 kg

Technical

The maximum cable diameter	< 2.08mm
Conductor range	0.4 to 0.9mm or 26 to 19AWG.

Plastic part: durable polypropylene with durable, high impact material, Transparent lid and Transparent bottom. Contact pin: phosphor bronze with plated tin surface. Connectors can retain the electrical & mechanical properties in the working temperature range -30℃ to 70℃ and humidity range of 0% to 95%.

Test Procedures conducted by Factory

Electrical Performance Test

Joint Resistance: The joint resistance of each connector shall not exceed the appropriate limit detailed in Table 1. The spacing between the voltage pick up points shall be 30±0,5mm, the applied Voltage shall not exceed 2V and the current shall not exceed 1A.

Table 1

Conductor Diameter	Joint resistance(mΩ)
0,40	3,0
0,90	1,5

Insulation Resistance Test

The insulation resistance is more than 1×105MΩ after electrification for one minute at an applied voltage of 250VDC under normal temperature and humidity, and more than 1×103MΩ in 5% salt water with normal temperature

Dielectric Strength: A 2000VDC or 1400AV Voltage shall be applied between the wire of the connector and plastic cover. No breakdown or arcing of any kind shall occur.

Mechanical Performance Test

The tensile strength of one standard wire of connector shall not be less than the figure shown on Table 2. The tensile strength of one non-standard wire of connector shall not be less than 80% of the breaking force of the wire.

Table 2

Conductor Diameter(mm)	Minimum breaking Load(N)
0,4	24
0,9	118

Relative Movement Test

Connectors are mounted on printed circuit boards and are affixed to a vibration. machine with frequency automatically varied between 10 and 50 HZ in one minute cycle, and amplitude of vibration of approximately 1,6mm. They shall be continued for 30 Minutes. The change in the connector resistance shall not exceed 0,5mΩ.

Environmental Performance

Temperature Cycling – Installed connectors shall be exposed to 10 cycles of temperature cycling between -30℃ and +70. Each cycle lasts for 30 Minutes. There should be no evidence of physical damage to the connectors as a result of exposure to temperature cycling extreme.

Temperature Life test

The connectors are subjected to 240 hours at an elevated temperature of +70℃. There should be no evidence of physical damage to the connectors as a result of exposure to a temperature of +70℃ for 240 hours.