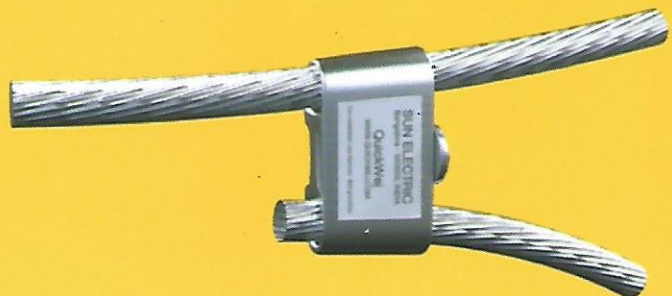


QuickWej

Systems

**Quick,
Easy & Safe
Installation**

**Energy Efficient
Connectors
Since 2007**



- MEETS / EXCEEDS IS 5561, BS 3288 PART 1 & ANSI c 119.4
- OVER A MILLION CONNECTORS IN SUCCESSFUL OPERATION
- OVER 10 YEARS OF PROVEN PERFORMANCE
- PROCESS GOVERNED BY ISO 9001:2015

Why QuickWej?

Connectors are an indispensable part of electrical systems, be it LV, HV or EHV. This fact has kept the connector industry always busy developing better connectors from time to time.

At **Sun Electric**, the R&D team has brought a revolutionary family of connectors, the **QuickWej**. **QuickWej** is a family of boltless power connectors, ideally suited for hostile weather conditions, critically loaded and overloaded electrical networks. **QuickWej** is a non-tension connector, suitable for voltage grades from 1.1kV to 400 kV, finding applications in substations, transmission lines and distribution networks.

QuickWej- Design and Engineering

QuickWej is designed to provide electrically and mechanically reliable connections with safe and easy installation procedure. This is a unique category of power connectors that incorporate a rigid wedge and a 'C' shaped spring member. During installation wedge is mechanically driven between the conductors into the 'C' member, thereby flexing the 'C' member. The 'C' member will flex and maintain a constant pressure as thermal cycling causes conductors to expand and relax. The connection is truly boltless.

Each connector is specific to the size mentioned on it. This exclusive feature ensures total conductor contact in the assembly and enhances connector performance.



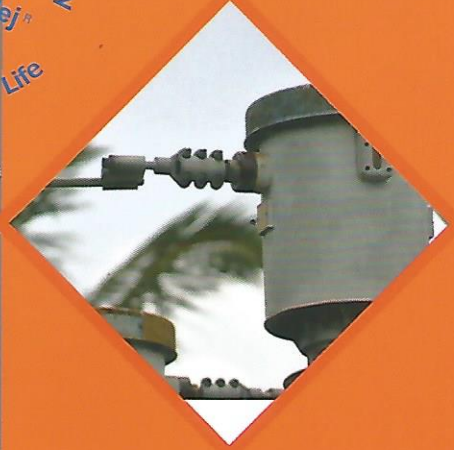
QuickWej- Applications

- Taps & Jumpers
 - Conductors
 - Suitability
 - Equipment Connections- Transformers, CTs, PTs, Isolators, Lightning Arrestors and Circuit Breakers.
- Bare / insulated conductors
 - Aluminum, Copper, ACSR, AAAC, AAC, AL59, HTLS
 - Equal, Unequal, Aluminum- Copper conductors

Connectors are available for pad and stud type terminals, for both single and twin conductor configurations.



Designed for Safety
QuickWej®
Connected for Life



QuickWej - Installation

- Hammer does the installation of QuickWej.
- 'C' member is placed on the conductors to be connected and wedge is held in place, pushed by hand to an extent possible.
- Wedge is hammered inside the 'C' member till the position where the stopper on the wedge flushes with the 'C' member completely.

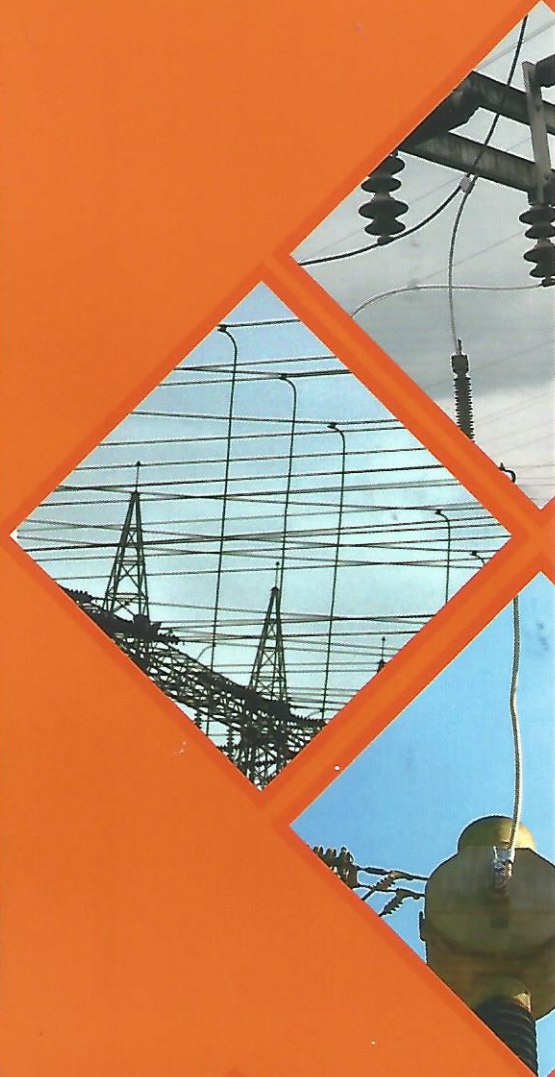
QuickWej – Advantages

- Saves energy and increases uptime
- Endured life cycle
- High connector reliability
- Maintenance-free
- Substantially reduced total ownership cost
- No skilled labor / special tools / special training required for installation
- Best option for emergency restoration activities, as special tools are not required

QuickWej- Facts

- Provides extremely low and stable contact resistance, considerably lower I^2R losses
- Provides maximum contact surface between connector and conductors
- Higher current carrying capacity than corresponding conductors
- Anti – corrosive conductive gel improves contact surface and prevents corrosion
- Superior heat dissipation due to large mass of 'C' body & Wedge
- Remains permanently locked even during faults and power surges

Call us / write to us for more details and prices



Technical Data

Parameter	Value			
Suitability	ACSR / AAAC / AAC / AL59 / Eco / Copper conductors			
Electrical compound coating	Pre-coated with anti-corrosive oxide inhibiting conductive gel			
Frequency	50 Hz & 60 Hz			
Tensile strength	> 120 kgf			
Maximum contact resistance	3% in excess of conductor (as determined by IS5561)			
Standards applicable	IS:5561, ANSI C 119.4 (AA & Class 3) and BS:3288 (I)			
Installation tool	Hammer			
Electrical parameters	Min. Rated Voltage	Rated Continuous Current	Temp. Rise over ambient	Rated Short-Time Current
Cat Nos. ending "A"	22kV	220A	32K	6kA/s
Cat Nos. ending "BL"	22kV	300A	32K	6kA/s
Cat Nos. ending "B"	72kV	350A	30K	10kA/s
Cat Nos. ending "C"	132kV	500A	28K	25kA/s
Cat Nos. ending "D"	220kV	850A	26K	40kA/s
Cat Nos. ending "E"	400kV	1000A	25K	40kA/s
Cat Nos. ending "H"	400kV	1500A	24K	40kA/s

Above table indicates general technical data, actuals as per specific customer requirements may vary

Our Clients



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