



## AMPACT ALUMINUM TAP CONNECTORS

### RANGE 477/556 TO 1192

#### KEY FEATURES

- Installing taps takes a fraction of the time needed for conventional crimp-type connectors
- Taps may be used to connect multiple conductor combinations
- No damage to the conductors when installing or removing tap
- Lightweight, power-actuated tools require minimum operator effort
- Individual tap packages are imprinted with applicable conductor combinations

TE Connectivity's (TE) AMP utility connectors are designed around an engineering principle called "Wedge Pressure Technology". Field proven for more than 50 years, Wedge Pressure Technology has formed the basis for a complete family of connectors that out performs other connector types, resulting in "lowest life cycle cost" for our customers.

AMPACT tap connectors use the action of a metal wedge to secure the two conductors to be connected at opposing ends of the C-clamp. The wedge is inserted at a speed of about 40 m/s using the AMPACT connector tool. High-speed insertion is very effective in abrading all sliding surfaces and in disrupting surface oxide film to generate large numbers of contact spots in the electrical interfaces.

After installation of the AMPACT tap, the C-member remains attached through the residual elastic force developed in the clamp. This force is sufficiently large to maintain a low electrical contact resistance but is insufficient to cause conductor plastic flow and ensuring stress relaxation in the connector. The elastic force also helps prevent creepage by compensating for expansion and contraction of the assembly during thermal cycling. The presence of an inhibitor in the electrical interfaces protects electrical contact spots from corrosive attack during use.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

