



## SINGLE CABLE CLEATS

### POLYMERIC FLAME-RETARDANT VO MATERIAL

### STRONG PERFORMANCE WITH MAXIMUM CABLE PROTECTION

#### KEY FEATURES

- Made from impact-resistant, UV-stabilized, polymeric flame-retardant VO material for use in harsh environments
- High resistance to electromechanical forces
- Strong mechanical performance from innovative rib design and glass fiber reinforced material
- Easy and fast installation thanks to simplified design
- Flat surface design allows stacked configuration without adapter
- Interlocking EPDM molded inserts version for increased asset protection
- Available with stainless-steel hardware for higher corrosion resistance and mechanical performance

TE Connectivity's (TE) Single Cable Cleats are designed to offer a highly reliable retention system for cables and terminations in LV, MV and HV applications. They are compact, stackable and reduce the mechanical load where space is limited, such as wind farms, data centers, substations and switchgears.

The single cable cleats are engineered to withstand harsh environments. Made from impact-resistant, UV-stabilized, polymeric flame-retardant VO material that is UL certified, they perform under extreme temperatures from -40°C to +120°C (-40°F to +248°F).

Tested according to IEC 61914, the cable cleats provide high resistance to electromechanical forces during short circuit conditions, without causing damage to the cables. They also ensure an excellent mechanical performance due to their innovative rib design and glass fiber reinforced material.

An easy and fast installation is achieved thanks to the cable cleats simplified design without any need for reinforcing accessories. The flat surface of the cable cleat allows different stacked configurations without special hardware or height adapters. Our cable cleats are range-taking to fit cables with an outer diameter up to 135 mm (5.31 inches), and are suitable for both metric and imperial sized molded inserts and with hardware.

The interlocking EPDM molded inserts accommodate cable expansion, contraction, and vibration, as well as offering an increased level of asset protection. The stainless-steel hardware offers higher corrosion resistance and mechanical performance. To serve a wider application range, our cable cleats are also available as dual and trefoil versions.

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



## Single Cable Cleats



### DESIGN DATA

Material Type	Polymeric, 30 % glass fiber reinforced Nylon
Material Color	Black
Material Properties	Zero halogen, red phosphorous free, UL94 V0 self-extinguishing
Design Specification	IEC 61914:2021
Operating Temperature Range	-40°C to +120°C (-40°F to +248°F)
Resistance to Impact	Very heavy (classification according to IEC 61914:2021 Table 5)
Short Circuit Test	Third-party lab certified in accordance with IEC 61914:2021 subclause 9.5
Additional Cable Protection	EPDM inserts available for all sizes

### TECHNICAL SPECIFICATION

Test Requirement	Test Data	Reference
Impact Resistance	5 kg (20 J)	IEC 61914:2021 subclause 9.2
Lateral Load Test	Perpendicular Pull	IEC 61914:2021 subclause 9.3
	Parallel Pull	
Axial Load Test	1.6 kN max.	IEC 61914:2021 subclause 9.4
Resistance to Electrodinamic Forces	Up to 219 kA @ 900 mm	IEC 61914:2021 subclause 9.5
UV Resistance	Xenon-arc	IEC 61914:2021 subclause 11.1
	UVB 313 cycle 3	ASTM G154
Needle Flame Test	120 s	IEC 61914:2021 subclause 10.1
Glow Wire Test (960° GWT)	30 s	IEC 60695-2

Learn more: [TE.com/energy](https://www.te-connectivity.com/energy)

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