

Single Bolt Type cleat (TCCLSF-Range)

Single Bolt LSF Type cleat:



In all cable installations, an essential factor is to ensure that all cables are secured with the correct cleats for the cable, application, and environment. The TCCLSF series of cleats support and secure all cables in a single formation throughout the system during normal operation and during fault conditions that may occur. System integrity is maintained, and cable damage can be prevented.

The TCCLSF range of cleats comply with latest requirements to EN 61914:2016 & IEC 61914:2015. They are manufactured from low smoke zero halogen material with excellent resistant to ultraviolet light and adverse weather conditions. The cleats are designed to hold and retain all types of LSF/LSZH cables in a single formation.

The TCCLSF range of cable cleats are black colour and marked "BICC COMPONENTS - CLEAT" along with the cable diameter range (\varnothing XX-XX) accommodation and cleat size (0X) covering diameters from 10.5mm to 51mm.

The short circuit ratings mentioned below are based on single core cable formation as per EN 61914:2016 & IEC 61914:2015 standards. Short circuit report for multicore cable is available upon request.

| Test Standard: EN 61914:2016 & IEC 61914:2015 | | | | | |
|---|---------|-----------------|---|--------------------------|--------------------------------|
| Description: | Clause: | Classification: | Description: | Clause: | Classification: |
| Type | 6.1.2 | Non-Metallic | Resistance to Short Circuit | 6.4.4 – 1 short circuit | 20kA RMS / 50kA Peak |
| Operating Temperature | 6.2 | -20°C to +60°C | | 6.4.5 – 2 short circuits | 20kA RMS / 50kA Peak |
| Impact Resistance | 6.3.4 | Heavy | Ultraviolet Light | 6.5.1.2 | Resistant to Ultraviolet Light |
| Lateral Retention | 6.4.2 | 0.2KN | Corrosion Resistant | 6.5.2 | Not Applicable |
| Axial Retention | 6.4.3 | 0.1KN | Needle Flame | 10.1 | >120 secs |
| Cleat Spacing | | | Cleat type, spacing and suitability for horizontal or vertical installation is dependent on system fault level and cable diameter and weight. Therefore, these parameters must be adequately assessed by the end-user prior to order or installation of the cleats. | | |

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Features:

- Low or Medium Voltage Single or Multi core Type Cables in a Single Formation.
- Cable Diameter Range from 10.5mm to 51mm.
- **Material:** Low Smoke Zero Halogen Compound – Black Colour
 - Tested in accordance with BS 60754-2:2014
- Suitable for Use With all Standard Ladder and Tray Systems.
- Operating Temperatures -20°C to +60°C.

Selection Table:

| Item Code | Cable Diameters D (mm) | | Cleat Dimensions (mm) | | | | Hole Fixings |
|-----------|---------------------------|------|-----------------------|------|------|------|--------------|
| | | | B | | A | C | |
| | Min. | Max. | Min. | Max | | | |
| TCCLSF01 | 10.5 | 14.5 | 15.0 | 18.0 | 30.0 | 12.0 | 1 x M4 |
| TCCLSF02 | 12.2 | 16.7 | 17.0 | 22.0 | 34.0 | 14.0 | 1 x M4 |
| TCCLSF03 | 14.6 | 19.8 | 21.0 | 26.0 | 40.5 | 16.0 | 1 x M4 |
| TCCLSF04 | 17.7 | 24.0 | 25.0 | 31.0 | 48.5 | 18.0 | 1 x M4 |
| TCCLSF05 | 21.7 | 28.5 | 30.0 | 37.0 | 54.0 | 20.0 | 1 x M6 |
| TCCLSF06 | 26.2 | 34.2 | 35.0 | 43.0 | 61.0 | 22.0 | 1 x M6 |
| TCCLSF07 | 31.9 | 41.6 | 42.0 | 52.0 | 71.5 | 24.0 | 1 x M6 |
| TCCLSF08 | 39.3 | 51.0 | 50.0 | 62.0 | 87.0 | 26.0 | 1 x M6 |

Disclaimer: The dimension provided are for guidance and given in good faith, however BICC Components reserve the right to change these without prior notification.

