

Multicleat/Multistrap System

Aluminium Base - 378AB Series



Multicleat and multistrap now use a new and improved locking mechanism making the installation quicker and easier. They also come with a disposable tensioning aid that was introduced in response to customer requests to improve the closure of the cleats and speed of installation. The adapter fits into the open end of the winding pin and is used with a standard 13mm socket wrench to tighten the strap. The same 13mm socket is then used to tighten the locking nut, finishing the installation.

Features and benefits

- Suitable for use with trefoil cable diameters 24 to 145mm.
- Suitable for use with single cable diameters 36 to 120mm.
- Reduced system cost achieved by using fixed base cleats with intermediate short circuit retaining straps.
- All straps manufactured from non-magnetic 316L Stainless Steel.
- Plain Aluminium bases - for normal industrial areas or outdoor unpolluted areas.
- Epoxy coated Aluminium versions available for harsher environments.
- Cleats and Straps are supplied with LSOH liners as standard.
- Suitable for single core cables laid in trefoil formation with high fault current capacities.
- Suitable for use with all standard ladder and tray systems.
- Suitable for groups of dissimilar cables.

Performance Data

| BS EN 61914:2016 (IEC 61914:2015) | Clause | Classification |
|---|---------|--|
| Type | 6.1.3 | Composite |
| Operating Temperature | 6.2 | -40°C to +120°C |
| Resistant to electromechanical forces, withstanding one short circuit | 6.4.4 | Standard duty strap (2 wraps): 57.3kA RMS, 126kA Peak, cleat spacing = 600mm, cable Ø = 38mm |
| Resistance to Corrosion | 6.5.2.2 | High, Outdoor - Wet unpolluted conditions |
| Resistant to ultraviolet light | 6.5.1.2 | Pass |

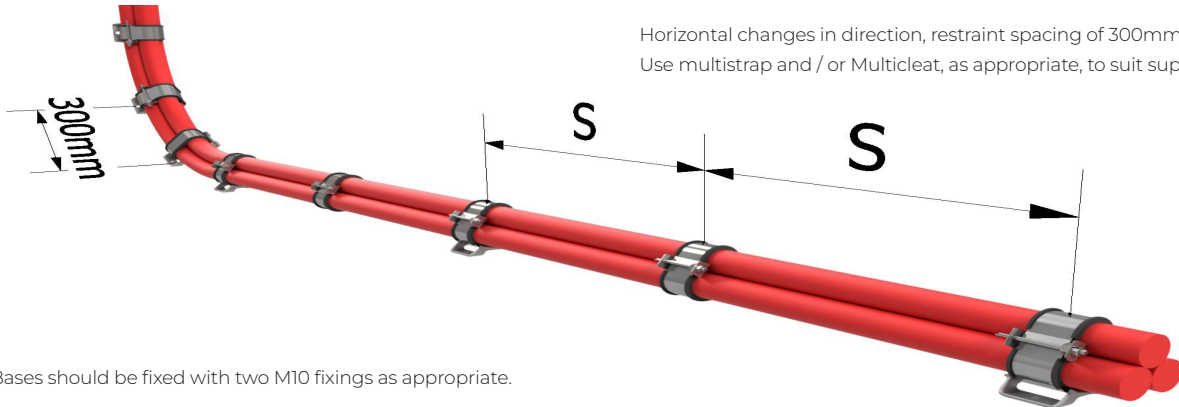
| | Clause | Classification |
|--|--------|--|
| Resistant to electromechanical forces, withstanding more than one short circuit | 6.4.5 | Standard duty strap (2 wraps): 52.3kA RMS, 115kA Peak, cleat spacing = 600mm, cable Ø = 38mm |
| | | Heavy duty strap (3 wraps): 55kA RMS, 121kA Peak, cleat spacing = 600mm, cable Ø = 38mm |

* short circuit completed in conjunction with multistrap in a cleat-strap-cleat arrangement

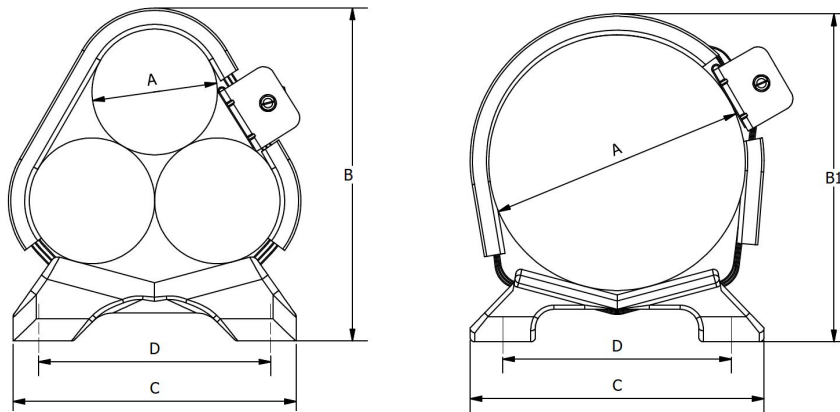
| Cable and Cleat Selection | | | | Cleats Dimensions | | | | | | | | Multistrap | | |
|---------------------------|------------------|-------------------|------------------|------------------------|-----|-----------------------|-----|-----------|-----------|-----|-----|-------------|----------------|------------------|
| Design Number | | | | Trefoil Cable Diameter | | Single Cable Diameter | | B Trefoil | B1 Single | C | D | Weight (kg) | Standard Strap | Heavy duty Strap |
| Aluminium base | | Epoxy coated base | | mm | mm | mm | mm | mm | mm | mm | | | | |
| Standard Cleat | Heavy Duty Cleat | Standard Cleat | Heavy Duty Cleat | Min | Max | Min | Max | Max | Max | mm | mm | | | |
| 378AB01 | 378AB51 | 378AD01 | 378AD51 | 24 | 34 | 36 | 65 | 95 | 92 | 126 | 100 | 0.54 | 377AB01 | 377AB51 |
| 378AB02 | 378AB52 | 378AD02 | 378AD52 | 30 | 41 | 60 | 85 | 110 | 113 | 126 | 100 | 0.57 | 377AB02 | 377AB52 |
| 378AB03 | 378AB53 | 378AD03 | 378AD53 | 37 | 47 | 80 | 90 | 121 | 118 | 122 | 96 | 0.576 | 377AB03 | 377AB53 |
| 378AB04 | 378AB54 | 378AD04 | 378AD54 | 43 | 54 | 85 | 110 | 135 | 138 | 122 | 96 | 0.595 | 377AB04 | 377AB54 |
| 378AB05 | 378AB55 | 378AD05 | 378AD55 | 50 | 60 | - | - | 146 | - | 132 | 106 | 0.636 | 377AB05 | 377AB55 |
| 378AB06 | 378AB56 | 378AD06 | 378AD56 | 56 | 67 | - | - | 160 | - | 132 | 106 | 0.657 | 377AB06 | 377AB56 |
| 378AB07 | 378AB57 | 378AD07 | 378AD57 | 63 | 73 | - | - | 172 | - | 176 | 150 | 0.798 | 377AB07 | 377AB57 |
| 378AB08 | 378AB58 | 378AD08 | 378AD58 | 69 | 80 | - | - | 186 | - | 176 | 150 | 0.818 | 377AB08 | 377AB58 |
| 378AB09 | 378AB59 | 378AD09 | 378AD59 | - | - | 105 | 120 | - | 148 | 122 | 96 | 0.614 | 377AB09 | 377AB59 |
| - | 378AB36 | - | 378AD36 | 72 | 85 | - | - | 190 | - | 230 | 200 | 0.832 | - | 377AB36 |
| - | 378AB37 | - | 378AD37 | 82 | 95 | - | - | 210 | - | 230 | 200 | 0.864 | - | 377AB37 |
| - | 378AB38 | - | 378AD38 | 92 | 105 | - | - | 230 | - | 284 | 242 | 1.449 | - | 377AB38 |
| - | 378AB39 | - | 378AD39 | 102 | 115 | - | - | 250 | - | 284 | 242 | 1.48 | - | 377AB39 |
| - | 378AB40 | - | 378AD40 | 112 | 125 | - | - | 270 | - | 284 | 242 | 1.511 | - | 377AB40 |
| - | 378AB41 | - | 378AD41 | 122 | 135 | - | - | 290 | - | 284 | 242 | 1.542 | - | 377AB41 |
| - | 378AB42 | - | 378AD42 | 132 | 145 | - | - | 315 | - | 290 | 242 | 1.572 | - | 377AB42 |

* Technical Information subject to change without notice

Important note: To ensure adequate restraint, Multistrap MUST be used at the mid-point between cleats on all horizontal and vertical straight runs.



Note: Bases should be fixed with two M10 fixings as appropriate.



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