

HELIOS (FPC)

The Helios Standard Duty, One Bolt, High Temperature Fire Rated Stainless Steel single cable cleat is a fabricated metallic cleat which has been designed, constructed, and tested in accordance with the International Standard 'Cable Cleats for Electrical Installations' (IEC 61914).

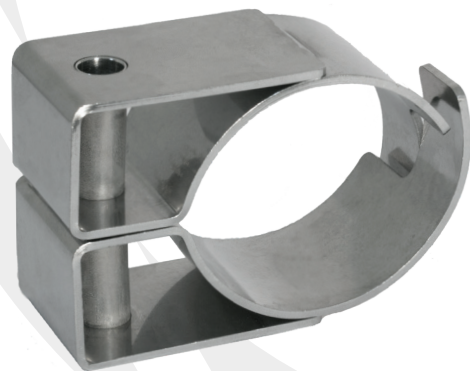
These Fire Rated cable cleats can be used with fire performance cables to ensure the safe retention and securing of single cables in the event of a wiring system being affected by fire. These fire resisting supports help to maintain the electrical systems integrity for any critical circuits during an emergency situation to enable safe evacuation. The cable cleat is fabricated from Stainless Steel 316L making it suitable for both indoor and outdoor applications.

The Helios High Temperature Stainless Steel 316L cable cleat is available in eleven sizes suitable for cable diameters of 10mm up to 65mm. The cable cleat has an M10 clearance hole for securing it to a mounting surface.

BS 5839 'Fire detection and fire alarm systems for buildings. Code of practice for design, installation, commissioning and maintenance of systems in non-domestic premises'

States that "Methods of cable support should be non-combustible and such that circuit integrity will not be reduced below that afforded by the cable used, and should withstand a similar temperature and duration to that of the cable, while maintaining adequate support"

To adhere to this BSI standard fire rated Cable Cleats must be used to support the cable in the event of a fire.



FEATURES

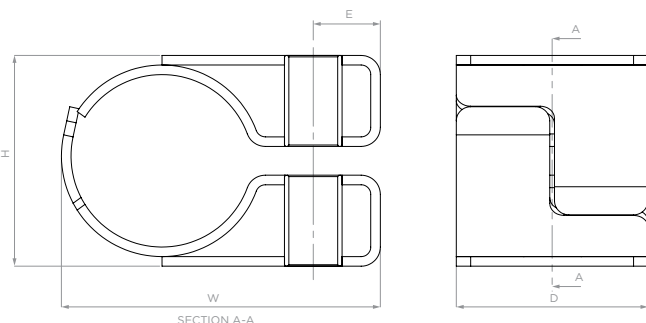
- Fabricated Stainless Steel 316L
- Operating temperature -60°C to +250°C
- Surpasses requirements of Fire testing BS5839 / BS8491 / EN50200 / BS8434 / AS-NZS 3013 (1,200°C) (Fire, shock & water)
- 10 - 65mm cable range take in 11 sizes
- Single bolt fixing design
- Can be stacked
- Corrosion resistant

TECHNICAL DATA & CLASSIFICATION

TYPE	6.1.1 Metallic SDHT - One Bolt Fabricated High Temperature Stainless Steel Cable Cleat
DESIGN SPECIFICATION	IEC 61914
TEMPERATURE FOR PERMANENT APPLICATION	-60°C to +250°C IEC 61914
FIRE TESTED	Surpasses requirements of Fire testing BS5839/BS8491/EN50200/BS8434/AS-NZS 3013 (1,200°C)(Fire, shock & water)
NEEDLE FLAME TEST	Pass - 120 second flame application time IEC 61914, IEC 60695-11-5
LATERAL LOAD TEST	480N IEC 61914
AXIAL LOAD TEST	28N IEC 61914
IMPACT RESISTANCE	Pass - Very heavy IEC 61914
MATERIAL	Stainless Steel 316L
MATERIAL COLOUR	Silver / grey

PARALLEL FORMATION

One short circuit 600mm fixed cleat centres 100mm cable centres	Two short circuit 600mm fixed cleat centres 100mm cable centres
0.1 sec	0.1 sec
60kA Peak	60kA Peak
29kA r.m.s	29kA r.m.s



CABLE CLEAT SELECTION TABLE

HELIOS PART NO.	CABLE Ø RANGE TAKE (MM)	DIMENSIONS MM					WEIGHT (g)
		W	H	D	E	FIXING HOLE Ø	
FPC1013	10-13	38	19	40	14	1 x M10	88
FPC1316	13-16	41	22	40	14	1 x M10	103
FPC1619	16-19	45	25	40	14	1 x M10	114
FPC1923	19-23	50	29	40	14	1 x M10	128
FPC2327	23-27	55	33	40	14	1 x M10	143
FPC2732	27-32	61	38	40	14	1 x M10	165
FPC3238	32-38	67	44	40	14	1 x M10	182
FPC3846	38-46	74	52	40	14	1 x M10	210
FPC4651	46-51	80	57	40	14	1 x M10	233
FPC5157	51-57	86	63	40	14	1 x M10	252
FPC5765	57-65	94	71	40	14	1 x M10	274

Coatings are available upon request by adding the following suffixes to the ordering reference - EC for epoxy coating, PC for polyester coating and TC for thermoplastic coating. Example order reference for epoxy coating suffix EC (FPC2327EC). Fasteners required to secure the cable cleat to the support structure are not included but can be supplied upon request - see cleat fixing pack page 64-65. Isolation/separation pads (to prevent corrosion between two dissimilar metals) are not included but can be supplied on request - see isolation/separation pad page 66.