

# EVEREST-S (HVSS-CC-S)

## High Voltage, Stainless Steel, Top Opening, Closed Centres, Trefoil Formation Cable Cleat

CMP Everest-S trefoil cable cleat range has been designed for the safe retention of high voltage cables. The Everest-S is designed, constructed and tested in accordance with the International Standard IEC 61914: Cable cleats for electrical installations; to ensure the securing and retention of cables without sustaining damage to the cable(s). The S version of this product is designed to be used with smaller cables of size 52mm up to 100mm diameter. For larger cables please see the Everest HVSS-CC product range.

The Everest-S trefoil range of cable cleats are designed for use with high voltage cable installations and are manufactured to suit a range of cable diameters, or to suit specific project parameters.

The Everest-S cleat is designed to secure the cables in a trefoil formation to a mounting surface, providing excellent axial and lateral retention. This variation securely fixes the cables to a support structure.

HVSS-CC-S cleats are fabricated in non-magnetic 316L stainless steel.

Flame retardant low smoke and fume fixed liners are fitted as standard, helping to:

- Restrain the cables within vertical applications.
- Provide a layer of protection to both the cable sheath and the cable cleat, during normal operation where thermal elongation of cable occurs.
- Protect the cable from chafing on any mounting surface due to differential movements, such as those found in marine and offshore applications.
- Assist in the extra protection of cables in the event of short circuit fault condition



### TECHNICAL DATA & CLASSIFICATION

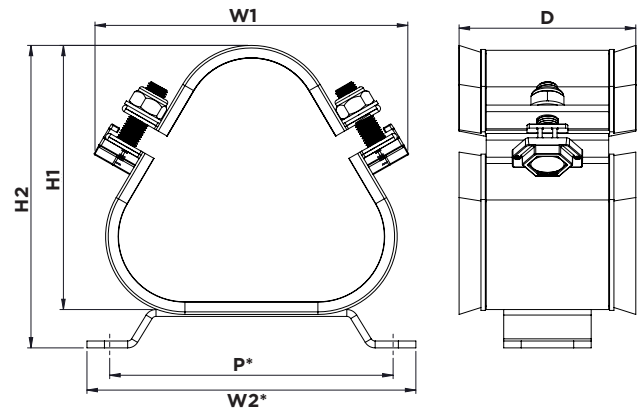
TYPE	IEC 61914 6.1.3 Composite
DESIGN SPECIFICATION	IEC 61914
TEMPERATURE FOR PERMANENT APPLICATION	-60°C to +90°C IEC 61914 clause / part 6.2
NEEDLE FLAME TEST	Pass - 120 seconds IEC 61914 clause 10.0, 10.1, IEC 60695-11-5
IMPACT RESISTANCE	Pass - Very Heavy IEC 61914 clause 6.3, 6.3.5, 9.2
MATERIAL	316L Stainless Steel
MATERIAL THICKNESS	2mm
LINER MATERIAL	FR LSF / LSOH Polymer
CABLE FORMATION	Trefoil

### SHORT CIRCUIT TESTING TO IEC 61914 - CLAUSE 9.5

TREFOIL FORMATION			
ONE SHORT CIRCUIT 600mm FIXED CLEAT CENTRES	TWO SHORT CIRCUIT 600mm FIXED CLEAT CENTRES	ONE SHORT CIRCUIT 600mm FIXED CLEAT CENTRES	ONE SHORT CIRCUIT 600mm FIXED CLEAT CENTRES
1 sec	1 sec	0.7 sec	0.1 sec
Cable OD 53.5mm	Cable OD 53.5mm	Cable OD 53.5mm	Cable OD 37mm
123 kA Peak	121 kA Peak	128 kA Peak	155 kA Peak
56 kA r.m.s	55 kA r.m.s	58 kA r.m.s	70.5 kA r.m.s

### FEATURES

- Third party certified to IEC 61914
- 316L Stainless Steel
- Sunlight (UV) resistant
- Operating temperature -60°C to +90°C
- Excellent axial and lateral load retention



### CABLE CLEAT SELECTION TABLE

HVSS-CC-S PART NO.	CABLE Ø RANGE TAKE (mm)	DIMENSIONS (mm)							Weight (g)
		W1	W2	H1	H2	D	P	FIXING HOLE Ø	
HVSS-CC-052060-S	52-60	158	173	124	137	100	130	2 x M12	1131
HVSS-CC-059066-S	59-66	166	184	135	148	100	142	2 x M12	1200
HVSS-CC-062070-S	62-70	172	191	142	156	100	150	2 x M12	1246
HVSS-CC-068076-S	68-76	180	203	154	167	100	162	2 x M12	1317
HVSS-CC-074083-S	74-83	189	217	167	180	100	176	2 x M12	1400
HVSS-CC-081088-S	81-88	196	222	176	189	100	186	2 x M12	1451
HVSS-CC-086091-S	86-91	200	228	182	195	100	202	2 x M12	1486
HVSS-CC-090100-S	90-100	213	241	198	212	100	215	2 x M12	1572