

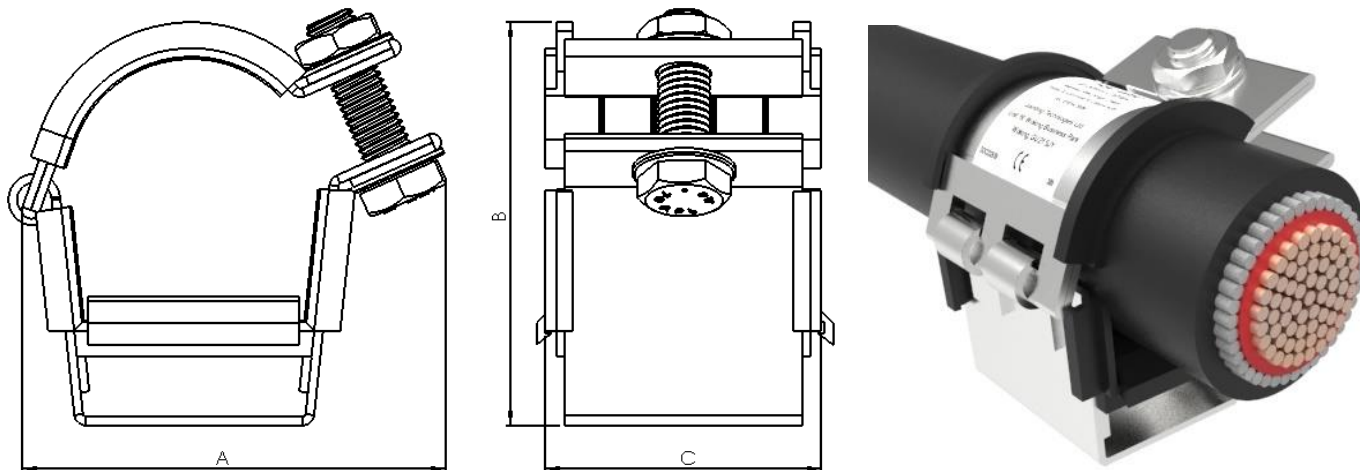


Stainless Steel Single Cleat HSC Series

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 HSC series of cleats support and secure all cables throughout the system during normal operation and during fault conditions that may occur. System integrity is maintained, and cable damage can be prevented.

All cleats in the HSC series comply with the requirements of IEC 61914 : 2015. The cleat body and fastenings are manufactured from 316L corrosion resistant non-magnetic stainless steel which makes them suitable for use within harsh and extreme environments including marine and offshore applications. The main cleat fastening bolt is retained to ease installation. The cleat liner is manufactured from an extruded polymer which is a Low Smoke Zero Halogen (LSOH) polymer material. Cleats can be supplied with or without the liner. Correct cleat spacing for all cables are extremely important and many factors must be considered. All recommendations from the cable manufacturer must be followed. For correct cleat spacing recommendations please contact our technical department.

Test Standard IEC61914:2015									
	Clause	Test	Classification			Clause	Test	Classification	
Material	6.1.3		Composite		Resistance to short circuit	6.4.4 1 short circuit	9.5.2	65kA RMS, 143kA Pk - tested on 34mm diameter cables at 300mm cleats spacings (Test report: 125157/VNL)	
Operating Temperature	6.2		-40°C to + 60°C			6.4.5 2 short circuits	9.5.3	64kA RMS, 141kA Pk – tested on 34mm diameter cables at 300mm cleats spacings (Test report: 125157/VNL)	
Impact Resistance	6.3.5	9.2	V. Heavy		Corrosion	6.5.2.2		Body >16% Chromium contents - High, Outdoor - wet conditions	
Lateral strength	6.4.2	9.3	>900N vertical		Flame propagation		10.1	> 30 secs	
			>600N Horizontal		Cleat Spacing	As cleat spacing is dependent on system fault level and centre to centre distance between cables / cable diameter, so for correct cleat spacing then please enquire with cleat manufacturer for correct maximum cleat spacing, for the system design.			
Axial strength	6.4.3	9.4	>320N (for guidance only as not possible to replicate in test setups)						



Single Reference Number	Cable Ø	Cable Ø	A	B	C
	Minimum	Maximum			
HSC 4050	40	50	90	75	64
HSC 5060	50	60	100	83	
HSC 6070	60	70	110	90	
HSC 7080	70	80	120	98	
HSC 8090	80	90	130	107	
HSC 90100	90	100	140	116	
Cleats have a single central fixing hole for a 12mm diameter fixing bolt.					
All dimensions in mm and are approximate					

Features

- Low, Medium and High Voltage single core cables with high fault current capacities.
- Standard range for cable diameters from 40mm to 100mm
- Special sizes for specific projects can be manufactured
- Can be used in the harsh environments including marine and offshore.
- Suitable for use with all standard ladder and tray systems.
- Isolation pads can be supplied upon request to reduce risk of galvanic corrosion of dissimilar metals
- Operating temperatures -40°C to +60°C

