

Intertech Engineering: Clamp Selection Criteria

When choosing a Cable Clamp, the following factors should be considered;

- a) Total mechanical load the clamp is expected to support.
- b) Type of installation, such as horizontal runs, vertical runs, complex routes
- c) Environmental conditions, indoor, outdoor, chemicals, salt-air etc.
- d) Operating temperature of the cables and the ambient temperatures.
- e) Material compatibility. i.e. the structure to which the clamp will be fixed.
- f) Cable overall size, shape and configuration (flat, trefoil etc)

CORRECT SPACING

The following is the recommendations of IEE Wiring regulations for clamp spacings for single cables up to 40mm in diameter, and typical industry recommendations above 40mm diameter.

SPACING OF SUPPORTS ON SINGLE CABLES						
Overall Diameter of Cables	Non-armoured rubber, PVC or lead sheathed Cables		Armoured cables and corrugated aluminium sheathed cables		Mineral Insulated Cables	
	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical
≤ 8 mm	250	400	-	-	600	800
9 ≤ 14 mm	300	400	350	450	900	1200
15 ≤ 19 mm	350	450	400	550	1500	2000
20 ≤ 39 mm	400	550	450	600	-	-
40 ≤ 49 mm	600	800	900	1100	-	-
50 ≤ 59 mm	750	1000	950	1100	-	-
60 ≤ 69 mm	900	1200	1000	1200	-	-
>70 mm	1000	1400	1200	1400	-	-

For more information or to Order, contact [Intertech Engineering](#);

Phone: +61 3 8770 5500

Fax: +61 3 9773 5666

Email: sales@intertech-eng.com.au