

Signal Clamp User Guide V1.4

Transmitter Signal Clamps







In many situations, it is impossible to gain access to a cable to make an electrical contact. Or if there is, it is not safe to do so. The signal clamp provides an efficient and safe method of applying a locate signal onto a cable.



WARNING

Always follow the appropriate safety requirements mandated by safety legislation, safety practice, and your company's safety procedures when applying a clamp (coupler) to a cable.

Clamp Range

	Frequency Range	Clamp Description
	8kHz to 200kHz	Size: 2" / 75mm Use this clamp for small diameter cables such as CATV and Telecom cables.
	8kHz to 200kHz *SiS 8.44 kHz SiS 9.82 kHz	Size: 4" / 100mm This general-purpose clamp is usable for most applications. *Requires a SiS enabled transmitter
	8kHz to 200kHz *SiS 8.44 kHz SiS 9.82 kHz	Size: 5" / 127mm This general-purpose clamp is usable for most applications. Its unique size clamps around 4"/100mm conduits and ducts. *Requires a SiS enabled transmitter
	SiS491Hz SiS982Hz SiS8.44 kHz SiS9.82 kHz.	Size: 4" / 100mm SiS Clamp  Used in conjunction with the vLoc3 series receiver and transmitter enabled with SiS, the SiS feature becomes a powerful tool in aiding accurate cable identification.
	33kHz 83.1kHz	Size: 18" / 457mm Flexible The flexible clamp can be used for cables in drops off of utility poles and some difficult to reach cables.

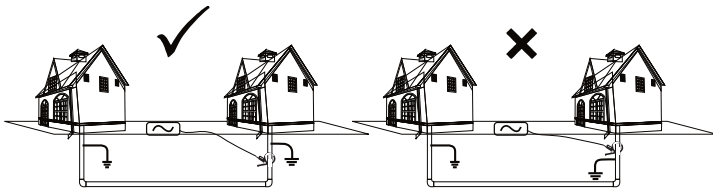
Plugging a signal clamp into a Loc series transmitter will automatically set the transmitter to Clamp Mode. An icon similar to the below illustration appears on the transmitters LCD.



Clamp Icon

Apply the Clamp around the cable to be located, making sure the clamp closes fully and the two halves' faces are mated correctly. If the Clamp is not fully closed the efficiency of the clamp will significantly be reduced.

When using the signal clamp, both ends of the target cable should be grounded to enable the current to flow. When applying a clamp close to a grounding point where multiple grounds or a grounding bus exists, make sure that you place the Clamp on to the target line and not to the ground bus/other grounds to avoid the transmitted signal going directly to ground.

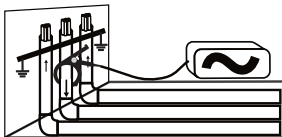


The signal clamp has the advantage that it applies a signal to the target cable and shares a smaller amount with other cross bonded cables. If the cross bonding cannot be removed, the Clamp will help focus the energy on a particular cable, whereas other methods will share the energy more equally.



NOTE

This should not be regarded as a finite method of identification, as there are circumstances that can change this effect.



Clamp Extension Rod

A useful accessory to the Clamp is the extension rod:



The Clamp Extension Rod is a plastic non-conductive rod with male and female threads at opposite ends. This hardware allows two extension rods to be connected to extend its length. A signal clamp attached to the extension rod can now be safely used on lines in trenches and manholes.

Disclaimer: Product and accessory specification and availability information are subject to change without prior notice.

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