

TD B115 – Bending & Dressing Mineral Insulated Cable

Bending

The smaller sizes of mineral insulated cables can be bent by hand, but to assist in ensuring the neatness and symmetry of multiple bends on multiple runs or where heavier cables are involved, the use of bending levers can save time.

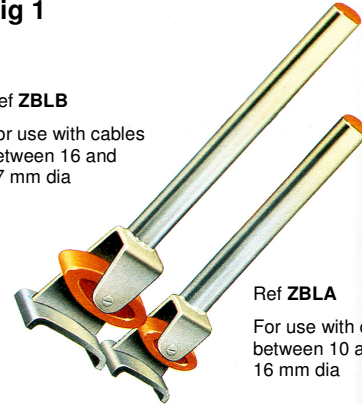
Figure 2 shows a bend being generated in a smaller MI cable using one bending lever, for larger size cables two bending levers are used.

The bending radius should be a minimum of six times the bare cable diameter; this will permit straightening and re-bending if required. If it is necessary to have more severe bends these should be limited to three times the bare cable diameter. Care should be taken not to damage the cable if straightening and re-bending of such small bends is necessary.

Fig 1

Ref ZBLB

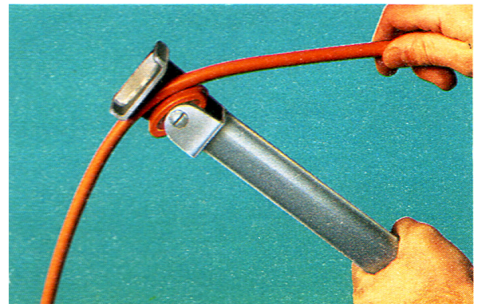
For use with cables between 16 and 27 mm dia



Ref ZBLA

For use with cables between 10 and 16 mm dia

Fig 2



Dressing

The copper sheath of mineral insulated cable will 'work harden' if bent or manipulated excessively, however, if the cable is pulled in or installed avoiding unnecessary bending then the final dressing should be a simple operation.

This dressing is best carried out using a soft faced hammer or a block of wood and a normal hammer as shown in Fig 3

Fig 3

