

CTC AppNotes

A series of technical documents written by members of the CTC community

Tools for Field Preparation of CTC Cables.

When exact lengths of cable runs cannot be determined before installation, field cable creation can be a time saving option. Creating custom length cables in the field can, however, be a tedious and thankless task without adequate tooling to perform the required operations properly. CTC now offers cable crimpers, cable wire strippers and an armored cable splitter for use in the field.

Cable Crimp tool



CB926-1A – Cable crimp tool for use with field installable connectors

CB926-1A cable crimp tool is easy to use and makes crimp connections on CC-xxx series connectors that will pass factory specifications. Dial up the correct size on the dial indicator (CTC uses size 16 and size 20 sockets), insert the socket into the tool, and the stripped wire to the correct depth in the socket and firmly squeeze the handle.

Wire Stripper



CB934-1A Cable wire stripper

CB934-1A Wire strippers make short work of stripping both ends of cables in the field. Two parallel blades set perpendicular to the cable make a snap to strip outer jacket and shield to different lengths. A parallel blade to the cable for splitting the outer jacket makes

for easy removal of longer lengths of Teflon and polyurethane jackets.

Armored cable cutter

Armored cable is best when cut to length at the factory, but when trimming armor in the field becomes necessary



CB935-1A Armored cable cutter showing operation with larger cables. Exercise caution when using so as not to damage interior cable.

we now have an option to assist the reliability professional. This one is a little trickier to use and needs care when cutting armor that already has cable running through it. Place the armored cable in the slot and turn the cutting wheel clockwise to cut through the armor. Caution must be exercised not to either squeeze the cutting tool too loosely as the armor can slip and not cut through properly, or to squeeze too tightly as the cable inside the armor can be damaged by the cutter when the armor is finally cut through. An adhesive lined heat shrink is a good idea as well to cover the cut point of the armor as a sharp edge may be present.

If you have any questions or for further information please contact CTC directly via Email at dgripe@ctconline.com or jsmith@ctconline.com or feel free to call 1-800-999-5290 in the US and Canada or +1-585-924-5900 internationally.

If any CTC vibration analysis hardware product should ever fail, we will repair or replace it at no charge.