CST

CORING STRIPPING TOOL

***Warning*! <u>This tool should not be used on live electrical circuits.</u> <u>It is not protected against electrical shock!</u>** Always use **OSHA/ANSI** or other industry approved eye protection when using tools. This tool is not to be used for purposes other than intended. Read carefully and understand instructions before using this tool.

The CST (Coring and Stripping Tool) is designed as a combination tool that cores dielectric foam, bevels the aluminum sheath and strips polyethylene jacket of trunk and distribution cable by hand or drill operation.

ASSEMBLY

To provide compact shipping, the CST has been shipped in 2 parts. The "T" handle must be inserted into the body and fastened in place for manual operation.

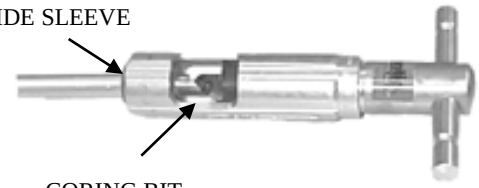
FEATURES AND BENEFITS

- CST tools have a standard "T" handle with a built-in 3/8"(9.5mm) drill adapter
- CST-R tools have a ratchet "T" handle and a separate 3/8"(9.5mm) drill adapter
- Strip stops available for exact stripping lengths of .5" to 2" (12.7mm to 50.8mm)
- Color coded cable guide sleeves for easy cable size identification
- Replaceable sheath stripping blade

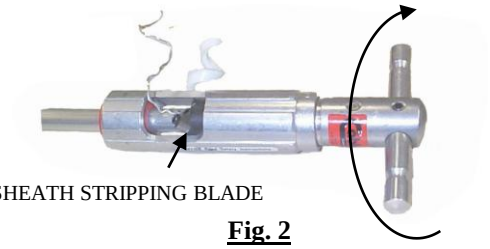
<u>OPERATING INSTRUCTIONS</u>

- Refer to the connector manufacturer's instruction sheet for proper strip dimensions.
- If the cable is jacketed, a minimum of 2" of jacket must be removed before using this tool. Refer to your company's construction procedures to obtain the required amount of jacket removal for you application. For jacket removal, use of **Cablematic's JST** jacket stripping tool is recommended.
- Insure that the cable end to be prepared is as round as possible. **Some distortion is allowable as long as the cable is round enough to enter the tool.** Use of a "banana cutter" such as the **Cablematic CXC or CXC-1** is recommended. Use of a hack saw is recommended on larger cables. A hacksaw is **<u>required</u>** with all 20-50 OHM power feeder cable.
- When working with flooded cable, all flooding compound must be removed from the outer conductor before using the CST.

<u>MANUAL OPERATION</u>



<u>Fig. 1</u>



<u>Fig. 2</u>

<u>Step 1</u>. (Fig. 1) Insert the tool onto the cable through the guide sleeve until the coring bit makes contact with the cable.

<u>Step 2</u>. (Fig. 2) Turn the the tool in a clockwise direction using slight forward pressure. The coring bit will remove the foam dielectric, then the sheath stripping blade will remove the aluminum sheath.

<u>Step 3</u>. The standard tool shipped from the factory is not equipped with a built in center conductor "strip stop" and you must manually calculate the center conductor length. To accomplish this, mark the outer conductor the length of center conductor to be exposed. As the tool advances, look for the marked cable in the tool window. When the sheath stripping blade reaches the mark on the cable, stop operation for the desired center conductor length.

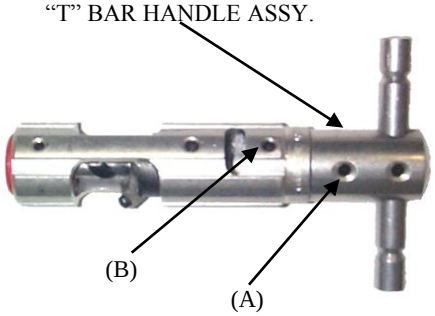
Note: When an optional strip stop is installed in a CST, the tool will stop stripping when the conductor has reached the strip stop. At this point the proper strip dimensions have been reached. With slight forward pressure, continue to rotate the tool one complete turn to insure a square edge and allow the stripped material to break free from the cable.

<u>Step 4</u>. Remove the tool and clean off any remaining dielectric material from the center conductor using the **Cablematic CC-100 Center Conductor Cleaner or CC-200 Center Conductor Scraper**. The cable is now ready for connector installation.

Lubrication: A light coat of machine oil applied to the sheath cutting blade on a regular basis will improve performance of the tool and extend the life of the blade.

Instructions for CST - Part 2

DRILL OPERATION



DRILL ADAPTER

1. For CST tools - Remove the "T" bar handle assembly by loosening hex screw "A". Place the 3/8"(9.53mm) shaft of the adapter into the 3/8"(9.53mm) drill chuck and tighten securely.
2. For CST-R (***ratchet***) tools - Remove the ratchet handle assembly by loosening hex screw "B". Replace with 3/8"(9.53mm) drill adapter and tighten set screw "B". Place the 3/8"(9.53mm) shaft of the adapter into the 3/8"(9.53mm) drill chuck and tighten securely.

Note: Operate the drill at low RPM for best results.

CommScope P1, P3 Cable Cable Guard; Times Fiber T4, T6, T10 Cable

Cable	Standard Tool	Ratchet Tool	Coring Bit Kit	Guide Sleeve	Sleeve Color
412	CST 412	CST 412-R	CB 114K	29104	Black
500	CST 500	CST 500-R	CB 115K	29105	Red
625	CST 625	CST 625-R	CB 116K	29106	Blue
750	CST 750	CST 750-R	CB 117K	29111	Green
875	CST 875	CST 875-R	CB 118K	29112	Yellow
1000	CST 21000	CST 21000-R	CB 119K	29113	Orange

Times Fiber TX and CommScope P3 Cable

Cable	Standard Tool	Ratchet Tool	Coring Bit Kit	Guide Sleeve	Sleeve Color
565	CST 565TX	CST 565TX-R	CB 146K	29108	Red
700	CST 700TX	CST 700TX-R	CB 137K	33847	Black
840	CST 840TX	CST 840TX-R	CB 138K	29109	Green
1160	CST 21160TX	CST 21160TX-R	CB 158K	33837	Neutral

Trilogy PerfectBonded P10 Cable

Cable	Standard Tool	Ratchet Tool	Coring Bit Kit	Guide Sleeve	Sleeve Color
500	CST 500 P10/P3	CST 500 P10/P3-R	CB 240K	37251	Black
625	CST 625 P10/P3	CST 625 P10/P3-R	CB 239K	37252	Black
750	CST 750 P10/P3	CST 750 P10/P3-R	CB 238K	37253	Black
875	CST 875 P10/P3	CST 875 P10/P3-R	CB 241K	37254	Black

CommScope PowerFeeder and Times Fiber T10 20, 22 and 50 Ohm Cable

Cable	Standard Tool	Ratchet Tool	Coring Bit Kit	Guide Sleeve	Sleeve Color
625/PF	CST 625PF	CST 625PF-R	CB 201K	29106	Blue
625/20	CST 625/20	CST 625/20-R	CB 203K	29106	Blue
625/22	CST 625/22	CST 625/22-R	CB201K	29106	Blue
625/50	CST 625/50	CST 625/50-R	CB 200K	29106	Blue

Conductor Strip-Stops for CST Tools

Strip Length (inch)	Strip Length (mm)	Part Number
1/2	12.70	32974
5/8	15.88	32975
3/4	19.05	32985
13/16	20.64	33958
7/8	22.22	32977
15/16	23.81	32978
1	25.40	32980
1-1/16	26.99	32979
1-1/8	28.58	33973
1-3/16	30.16	32986
1-1/4	31.75	32983
1-3/8	34.93	32981
1-7/16	36.51	33957
1/1/2	38.1	32982
1-9/16	39.69	33959
1-11/16	42.86	32984
1-3/4	44.45	33967
2	50.8	33962

Accessories for CST Tools

Cable	Ratchet Handle	Drill Adapter	Sheath Cutting Blade
412 to 840	31250	31230	CB 60
860 to 1080	31275	31235	CB 60
1160	31275	31235	CB 60

RIPLEY®

Cablematic® CABLE PREPARATION TOOLS