



nationalgrid

APPROVED CABLE PREP TOOLS

(Work Methods Bulletin #5-06)

Cable preparation tools are required on solid dielectric cables. On EPR, LXPE and TRXLPE insulations, cable prep tools improve job quality and reliability. Cable tools lessen strain on tendons, ligaments and muscles while they reduce knife cut injuries. Cable prep tools are available for jacket removal, semiconductor removal, and insulation removal.

OUTSIDE JACKET STRIPPER:

UTILITY TOOL MODEL WS61

- Strips outer jackets from #2 awg up to 1000 mcm cable
- OD's up to 2.25in cable
- Replacement Blade: CB 155K

Utility Tool Model WS-64U-E

- Universal tool for end stripping of outer jackets or insulation material
- Dual position jaw for cable sizes from 1/2" up to 2-1/2"
- Replacement Blade: CB 50K



INSULATION STRIPPER: UTILITY TOOL MODEL WS5B and WS6

- Strips XLPE, POLYETHYLENE and EPR insulation
- Ideal for primary URD cable
- STOP BAR permits accurate preset stripping lengths
 - WS5B – from 3/4" to 5- 3/4"
 - WS6 – up to 2-7/16"
- BUSHING INSERT FITS OVER CABLE
- WS5B Replacement Blade: CB7-2
- WS6 Replacement blade: CB8-2

WS6



WS5B



4x4 CABLE END STRIPPERS UTILITY TOOL

- One compact, easy-twist tool with separate cutting heads
- For 600 volt secondary cable
- Cutting head for #6 AWG to % 500 MCM conductors
- Strips 45 MIL to 110 MIL plastic, XLPE, polyethylene and EPR
- Replacement Blade: CB6667





Bushing Table for the 4x4 End Stripper

CABLE SIZE	2	1/0	2/0	4/0	350	500
BUSHING MODEL#	10-45040	10-57560	10-60060	10-72560	11-90075	11-05075

LOAD BREAK BUSHING INSERT TOOL

- UTILITY TOOL MODEL: LBIT-IT
- For 200 amp Bushing Insert with hexagon socket drive
- Preset torque setting of 180 in-lb
- Secures Bushing Insert for positive installation and removal



URD INSULATION CHAMFER TOOL

- UTILITY TOOL MODEL: IC 1 and IC 2
- Creates a 45 bevel, approximately .125 in long
- Chamfers Cable O.D. Range

IC 1: 0.650-1.260

IC 2: 1.250-1.875



ACCESSORIES:

RATCHET WRENCH

- UTILITY TOOL MODEL: SW2
- For the WS5B & WS6



ALLEN WRENCH SET

- UTILITY TOOL MODEL: AR9



TOOL BOX

- Yellow plastic tool chest: TC106B





Utility Tool Model WS5B and WS6 bushing application table

Conductor Size	Voltage Class kV	Insulation Thickness Inches	Diameter Over Insulation ± 0.30 Inches	Tool	Poly & XLPE Bushing Model #	EPR (Over Semi-Con) Bushing Model #
1/0 AWG	5	0.115	0.650	WS5	0.675	0.750
500 kcmil	5	0.115	1.090	WS5	1.125	1.175
750 kcmil	5	0.115	1.280	WS5	1.300	1.375
#2 AWG	15	0.175	0.695	WS5	.700	0.775
4/0 AWG	15	0.175	0.920	WS5	.950	1.000
350 kcmil	15	0.175	1.080	WS5	1.125	1.175
500 kcmil	15	0.175	1.210	WS5 or WS6	1.225	1.325
750 kcmil	15	0.175	1.400	WS6	1.425	1.500
1000 kcmil	15	0.175	1.545	WS6	1.575	1.650
1/0 AWG	25	0.260	.940	WS5	.975	1.025
4/0 AWG	25	0.260	1.090	WS5	1.125	1.175
350 kcmil	25	0.260	1.260	WS5	1.300	1.350
500 kcmil	25	0.260	1.39	WS6	1.425	1.500
1000 kcmil	25	0.260	1.725	WS6	1.750	1.850
1/0 AWG	35	0.345	1.110	WS5	1.125	1.200
2/0 AWG	35	0.345	1.155	WS6	1.175	1.250
1000 kcmil	35	0.345	1.900	WS6	1.925	WS 50 tool

These are the tools needed to make up kits for working in URD, UCD and conventional underground. You will only need to order the bushings for the size and voltage cable you work on.
(All models of WS5 Bushings, all models of WS6 Bushings)

URD KIT: URD-NGRID KIT - A complete kit with all the tools required to prepare URD cable. The kit includes:

- WS64U-E, WS5A, WS5-.775 bushing, WS5-.700 bushing, 4x4 tool 36000-xxx (bushings need to specified), LBIT-1T, IC1, PIT-1T, URD bag

Ordering information:

Utility Power Supply
PO Box 542
Unionville, CT 06085
860-678-UPSC (8772), Fax 860-678-0290
Website: www.powertech-upsc.com

National Grid has an open blanket purchase order that can be used to order these items, 0000041199.

MasterCard & Visa accepted