

CT 3G Series

Heat shrink medium voltage cable terminations

Heat shrink cable terminations for three core armored and unarmored 5 kV to 35 kV, copper tape, drain wire and UniShield® XLPE and EPR power cables for the electrical construction market.

Features And Benefits

- Fast, consistent installation means lower installed costs
- Heat activated seals ensure maximum protection against moisture ingress
- Installation environment: use of torch adds flexibility to cable preparation in any climate
- Light weight construction requires no additional support
- UV resistant, non-tracking outer tube for long life, even under adverse conditions
- Slim profile allows installation in confined switch gear cubicles

Standards

- IEEE 48-1996, Class 1

Test Reports

The CT 3G series terminations were tested to the requirements of IEEE 48-1996 Class 1 at an independent laboratory.

Test reports are available as follows:

- CT 080 series: HVS020075
- CT 150 series: HVS 020076
- CT 250 series: HVS020077 and HVS020083
- CT 350 series: HVS020078

Ordering

- Select the 3/C termination kit size for the 3/C copper tape, drain wire or UniShield® shielded power cable to be terminated. The CT 3X kits are for use with armour terminators or whenever a complete seal to the cable jacket is not required. The CT 3B series kits include a breakout boot and sealant to seal the termination to the 3/C cable jacket.
- Confirm the cable dimensions. At the high end of the conductor range it may be necessary to select the next larger size kit. Dimensions are based on cable information from AEIC CS5 and CS6 cable standards.
- For terminations that will be exposed to direct precipitation select the outdoor termination and add the suffix to the order number.



To add an external grounding kit for tape shielded cables add to the end of the order number. To include a cable preparation kit add the suffix to the end of the order number. FOR EXAMPLE: a 3/C, 15 kV outdoor termination with a boot for 350 kcmil cable with an external ground kit and cable preparation kit would be CT 3B152EGP. The same cable terminated indoors with a boot and cable preparation kit would be CT 3B152GP.

INDOOR KIT ORDER NUMBER	OUTDOOR KIT ORDER NUMBER	CONDUCTOR SIZE RANGE	INSULATION DIAMETER MIN - MAX		JACKET DIAMETER MAX	
			IN	MM	IN	MM
No Boot	Boot		IN	MM	IN	MM
5 kV						
CT 3X081	CT 3B081	#4 - #1 AWG	0.40 - 0.60	11 - 16	3.00	76
CT 3X082	CT 3B082	1/0 - 250 kcmil	0.60 - 0.95	16 - 24	3.00	76
CT 3X083	CT 3B083	300 - 500 kcmil	0.80 - 1.25	21 - 35	3.00	76
CT 3X084	CT 3B084	600 - 1750 kcmil	1.10 - 1.75	28 - 45	5.00	127
8 kV						
CT 3X081	CT 3B081	#6 - #2 AWG	0.40 - 0.60	11 - 16	3.00	76
CT 3X082	CT 3B082	#1 - 4/0 AWG	0.60 - 0.95	16 - 24	3.00	76
CT 3X083	CT 3B083	250 - 500 kcmil	0.80 - 1.25	21 - 35	3.00	76
CT 3X084	CT 3B084	600 - 1750 kcmil	1.10 - 1.75	28 - 45	5.00	127
15 kV						
CT 3X151	CT 3B151	#4 - 4/0 AWG	0.60 - 1.05	16 - 27	3.00	76
CT 3X152	CT 3B152	3/0 - 350 kcmil	0.80 - 1.25	21 - 35	3.00	76
CT 3X153	CT 3B153	400 - 1000 kcmil	1.10 - 1.65	28 - 42	5.00	127

INDOOR KIT ORDER NUMBER	OUTDOOR KIT ORDER NUMBER	CONDUCTOR SIZE RANGE	INSULATION DIAMETER MIN - MAX		JACKET DIAMETER MAX	
25 - 28 kV						
CT 3X251	CT 3B251	#2 - 350 kcmil	0.80 - 1.40	21 - 35	3.00	76
CT 3X252	CT 3B252	350 - 1000 kcmil	1.10 - 1.80	28 - 46	5.00	127
35 kV						
CT 3X351	CT 3B351	#1 - 250 kcmil	0.95 - 1.40	24 - 35	5.00	127
CT 3X352	CT 3B352	250 - 1000 kcmil	1.25 - 2.10	32 - 53	5.00	127

Version: 01 2018/JAN/02