

CT 50N SERIES

INSULATE
SEAL
PROTECT

HEAT SHRINK MEDIUM VOLTAGE CABLE TERMINATIONS

HEAT SHRINK TERMINATIONS FOR SINGLE AND THREE CORE, 5 kV THROUGH 8 kV XLPE AND EPR NON-SHIELDED CABLES FOR THE UTILITY AND CONSTRUCTION MARKETS

FEATURES AND BENEFITS

- Fast, consistent installation means lower installed costs
- Installation environment: use of torch adds flexibility to cable preparation in any climate
- Heat activated sealant for weather tight seals
- Light weight construction requires no additional support
- UV resistant, non-tracking outer tube for long life in adverse conditions. No sheds are required for operation
- Tough abrasion resistant outer covering
- Slim profile allows installation in confined switch

STANDARDS

- Rated to IEEE Standard 48-1996, Class 1

TEST REPORTS

The CT 080 series terminations were tested to the requirements of IEEE 48-1996, Class 1 at an independent test laboratory.

Test report available:

- CT 080 series: HVS020075



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PRODUCT LINE

CT 50N Series

- 1/C, 5 - 8 kV non-shielded extruded dielectric (XLPE or EPR) fixed power cable terminations. They are available as three each single core kits per box for XLPE and EPR insulated cables.

CT 50N3 series

- 3/C, 5 - 8 kV non-shielded extruded dielectric (XLPE or EPR) fixed power cable terminations. They are available in one, three core kit per box. As an option, the 1/C, CT 50N series kits can be converted to 3/C

CT 50N3 series (continued)

kits by purchasing a CT3M0DA or CT3M0DB conversion kit. The following is the selection criteria for the 3/C conversion kits:

STANDARD 3 - 1/C KIT		3/C CONVERSION KIT	=	1 - 3/C KIT
CT 51N	+	CT3M0DA	=	CT 51N3
CT 52N	+	CT3M0DA	=	CT52N3
CT 53N	+	CT3M0DB	=	CT 53N3

DIMENSIONS

INDOOR/OUTDOOR KIT ORDER NUMBER	CONDUCTOR SIZE RANGE	INSULATION DIAMETER (MIN.)		JACKET DIAMETER (MAX.)		STANDARD PACKAGE KITS/BOX
		IN	MM	IN	MM	
1/C CABLE, 5 - 8 kV						
CT 51N	#4 - 2/0 AWG	0.40	10	0.94	24	3 - 1/C
CT 52N	3/0 - 500 kcmil	0.70	18	1.30	33	3 - 1/C
CT 53N	750 - 1500 kcmil	1.10	28	2.15	55	3 - 1/C
3/C AND 3/C ARMoured CABLE, 5 - 8 kV						
CT 51N3	#4 - 2/0 AWG	0.40	10	3.00	76	1 - 3/C
CT 52N3	3/0 - 500 kcmil	0.70	18	3.31	84	1 - 3/C
CT 53N3	750 - 1500 kcmil	1.10	28	5.00	127	1 - 3/C

ORDERING

- Select the termination kit size for the non-shielded cable to be terminated.
- Confirm that the minimum and maximum cable dimensions are not exceeded. When at the high end of the conductor range it may be necessary to select the next larger kit size. Size range dimensions are based on the cable dimensions in the ICEA cable standards.
- To include a cable preparation kit included with the termination kit, add the suffix "P" to the end of the part number. FOR EXAMPLE: a 5 kV termination for 2/0 cable with a cable preparation kit would be CT 51NP.

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