

# Medium Voltage Cable Terminations (12 - 36kV)

## CMT



11kV, 3Core, OD, PILC



11kV, 3Core, ID, XLPE

## Description

**CIP** offers a range of indoor and outdoor heatshrink cable terminations designed for use on 12-36kV, 1 and 3 core PILC and XLPE cables. All kits meet the requirements of NRS 053:2008, IEC 60055-1 and SANS 60502-4. All kits comprise state of the art high quality components, each clearly marked in relation with a well illustrated instruction manual, this allows for ease of installation.

## Features

- Superior resistance to UV and weathering
- Covers a wide range of sizes
- Unlimited shelf life
- Excellent sealing capabilities
- Enhanced electrical, environmental & mechanical performance
- Well illustrated instruction manual
- All kits suitable for armoured and un-armoured cables

## Other Accessories



- Torque shear lugs - See page 43
- Polypropylene cable clamps
  - CLAMP/50-95SNW
  - CLAMP/75-100SNW
- Cable stripping tool (Semicon/XLPE cable)



ASSWS76

## Technical Data

Test requirements for PILC and XLPE cable Terminations in accordance with IEC 60055-1 and SANS 60502-4

TEST	Rated Voltage $U_0 / U$ kV			REQUIREMENTS
	6,35/11	12,7/22	19/33	
Humidity and salt fog (1.25 $U_0$ )	7,94	15,9	23,8	No Failure or Flashover No more than three trips No substantial damage
Partial discharge (1,73 $U_0$ ) N/A to PILC	11	22	33	Maximum Partial Discharge: 10pC
Thermal cycles - XLPE (2,5 $U_0$ )	15,9	31,8	47,5	No Failure or Flashover
Thermal cycles - PILC (1,5 $U_0$ )	9,5	19,1	28,5	No Failure or Flashover
A.C. withstand 15 min (2,5 $U_0$ )	15,9	31,8	47,5	No Failure or Flashover
A.C. withstand 500h (2,5 $U_0$ )	15,9	31,8	47,5	No Failure or Flashover
A.C. withstand 1 min (4,0 $U_0$ )	25,4	50,8	76,0	No Failure or Flashover
A.C. withstand 5 min (4,5 $U_0$ )	28,6	57,2	85,5	No Failure or Flashover
Impulse (peak) Voltage (10+VE and 10-VE) - Before Thermal cycle	95	150	200	No Failure or Flashover
Impulse (peak) Voltage (10+VE and 10-VE) - After thermal cycle	95	150	200	No Failure or Flashover
Impact test (Ambient Temp)	PILC - 10M $\Omega$ XLPE - 1G $\Omega$			No Failure or Flashover
Insulation resistance before and after test	PILC - 10M $\Omega$ XLPE - 1G $\Omega$			No Failure or Flashover
Thermal Short circuit, Phase to Earth/Screen	10kA for 1 Sec			No Failure or flashover

## Order Information - Termination Selection Guide

Example:

**CMT03/11X16/35/6**

