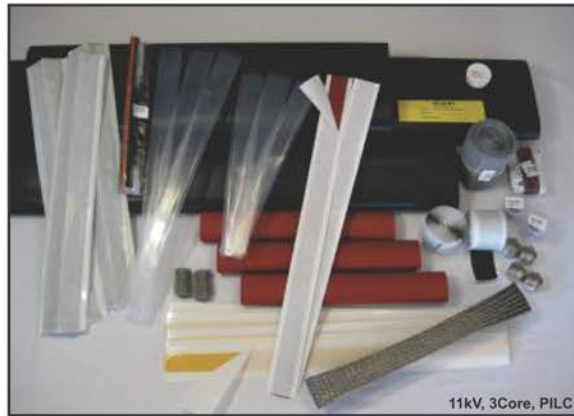


Medium Voltage Cable Joints (12 - 36kV)

CMJ/CMJM



Description

CiP offers a range of heatshrink cable joints 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 connectors - See page 43
- Cable stripping tool (Semicon/XLPE cable)

Technical Data

Test requirements for PILC and XLPE cable joints 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 Ω XLPE - 1G Ω			No Failure or flashover
Insulation resistance before and after test	10kA for 1 Sec			No Failure or flashover
Thermal Short circuit, Phase to Earth/Screen				No Failure or flashover

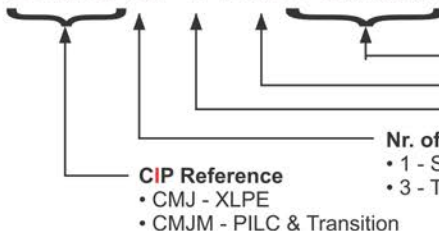


ASSWS76

Order Information - Joint Selection Guide

Example:

CMJ3/11X16/35



CIP Reference
• CMJ - XLPE
• CMJM - PILC & Transition

Nr. of Cores
• 1 - Single Core
• 3 - Three Core

System Voltage
• 11 - 11kV
• 22 - 22kV
• 33 - 33kV

Cable Type
• X - XLPE
• P - PILC
• PX - Transition

Cable Size (mm²)
• 16 - 35
• 50 - 95
• 120 - 185
• 240 - 300
• Other sizes on request

Medium Voltage Cable Terminations (12 - 36kV)

CMT



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)



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 Ω XLPE - 1G Ω			No Failure or flashover
Insulation resistance before and after test	10kA for 1 Sec			No Failure or flashover
Thermal Short circuit, Phase to Earth/Screen				No Failure or flashover



ASSWS76

Order Information - Termination Selection Guide

Example:

CMT03/11X16/35/6

CIP Reference
• CMT for all terminations

Installation
• I - Indoor
• O - Outdoor

Nr. of Cores
• 1 - Single Core
• 3 - Three Core

System Voltage
• 11 - 11kV
• 22 - 22kV
• 33 - 33kV

Cable Type
• X - XLPE
• P - PILC

Cable Size (mm²)
• 16 - 35
• 50 - 95
• 120 - 185
• 240 - 300
• Other sizes on request

Tail Length
• 11kV 500(5) 650(6)
• 22kV 650(6) 800(8)
• 33kV 800(8) 1000(1)
• Other lengths on request