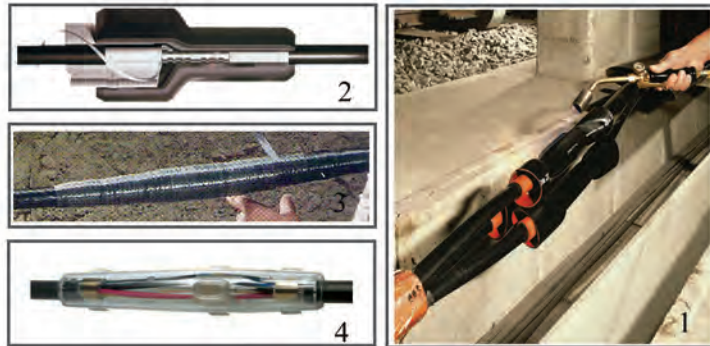


**Low & Medium Voltage Power Cable Joints :**

1. Heat Shrinkable Joints
2. Cold Shrinkable Joints
3. Tape Joints
4. Resin Joints



**MEDIUM VOLTAGE HEAT SHRINKABLE JOINTS**

MV Heat Shrinkable Joints are available for voltages up to 36KV. They are produced according to international standards:

CENELEC HD 628 , CENELEC 629.1 & IEC 60502-4

**Advantages:**

- Easy to install
- Proven quality as a result of many years of application
- Usable with a wide range of cables in a wide range of applications
- Reliable to work in harsh conditions

**Heat Shrinkable Joint Types:**

- Straight Joints for XLPE or EPR insulated cables: GLS



- Transition Joint for jointing paper insulated cables to XLPE cables: GLM



- Heat shrinkable Straight Joints for paper insulated cables: GLC



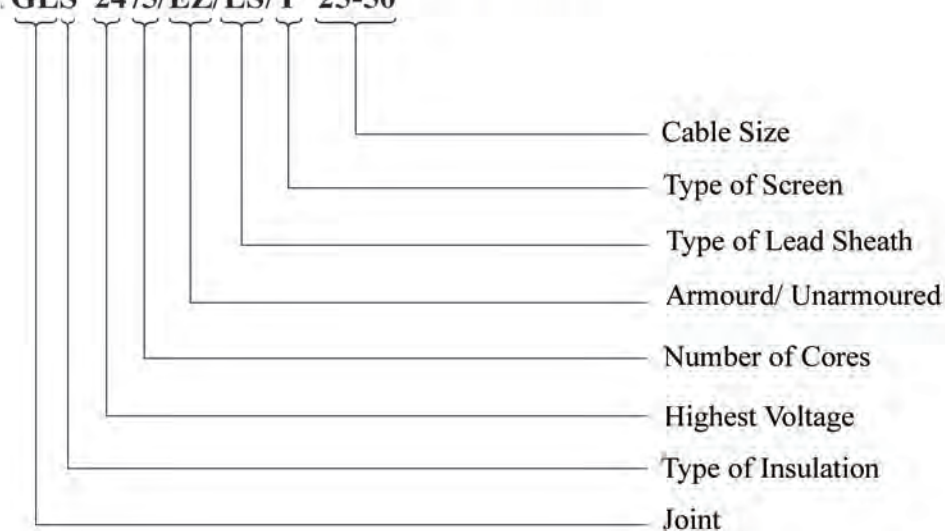
- Transition XLPE Joints for jointing three core cables to single core cables: GLT



## MEDIUM VOLTAGE JOINTS CELECTION TABLE

Typical Part Number for MV Heat Shrinkable Joint :

**GLS 2475/EZ/LS/T 25-50**



Number of Cores	Code
Single Core (XLPE Cable)	85
Three-Core (XLPE Cable)	75
Single Core (Paper Insulated Cable)	63
Three-Core (Paper Insulated Cable)	64

Type of Insulation	Code
XLPE	S
Paper Insulation	C

Screen	Code
Transition	-
Interruption	INT

Voltage (KV)	Code
7.2KV	7
12KV	12
17.5KV	17
24KV	24
36KV	36

Screen Type	Code
Wire Screen (XLPE Cable)	W
Tape Screen (XLPE Cable)	T
Paper Insulated Cable	-

Armour	Code
Armoured XLPE	EZ
Unarmoured XLPE	E
Paper Insulated Cable	-

Lead	Code
XLPE Cable With Lead Sheath	LS
XLPE Cable Without Lead Sheath	-
Single Lead Sheath Paper Insulated	EZ
Three-Lead Sheath Paper Insulated	J



**Size for XLPE / Single Core / Unarmoured Cables**

7.2 KV	12 KV	17.5 KV & 24 KV	36 KV
35-50	35-50	25-35	25-35
70-120	70-120	50-120	50-120
150-240	150-240	150-240	150
300	300	300	185-240
400-500	400-500	400-500	300
630	630	630	400-500
-	-	-	630

**Size for XLPE /Single Core / Armoured Cables**

7.2 KV	12 KV	17.5 KV & 24 KV	36 KV
-	35-50	25-35	25-35
70-120	70-120	50-120	50-120
150-240	150-240	150-240	150
300	300	300	185-240
400-500	400-500	400-500	300
630	630	630	400-500
-	-	-	630

**Size for XLPE / Three-Core / Unarmoured Cables**

7.2 KV	12 KV	17.5 KV & 24 KV	36 KV
35-70	25-70	25-50	25-70
95-120	95-120	70-120	95-120
150	150	150	150
185-300	185-300	185-300	185-300
400	400	400	-

**Size for XLPE / Three-Core /Armoured Cables**

7.2 KV	12 KV	17.5 KV & 24 KV	36 KV
35-70	25-70	25-50	25-70
95-120	95-120	70-120	95-120
150	150	150	150
185-300	185-300	185-300	185-300
400	400	400	-
-	-	-	-

**Size for Paper Insulated / Single Core / Single Lead Sheath Cables**

7.2 KV	12 KV	17.5 KV & 24 KV	36 KV
35-70	35-70	25-50	25-70
95-120	95-120	70-95	95-120
150-185	150-185	120	150
240-300	240-300	150-185	185-240
400-500	400	240-300	300
-	-	400	400

**Size for Paper Insulated / Three-Core / Three-Lead Sheath Cables**

7.2 KV	12 KV	17.5 KV & 24 KV	36 KV
35	35-70	25	25-50
50-70	95	35	70-95
95-120	120-150	50	120-150
150	185-240	70-150	185-300
185-300	300	185-240	-
400	400	300	-
-	-	400	-

## HEAT SHRINKABLE TRANSITION JOINTS

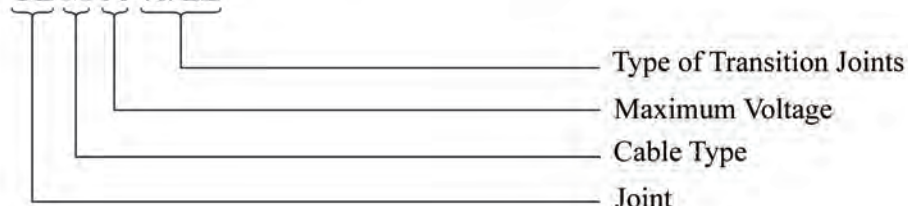
Single core and three-core oil impregnated paper insulated cable (PILC) still exist and are under operation in some electricity distribution networks. Heat Shrinkable Transition Joints are used for jointing single or three core XLPE cables to single or three core PILC cables, with one or three-lead sheaths. These transition joints may be used for jointing in ducts, vaults and direct-buried applications.

### Advantages:

- Quick cable preparation and jointing
- Good mechanical and electrical characteristics
- Suitable for all conductor shapes and materials
- Compact design
- No moisture ingress

### Typical part number for transition joint :

**GL M 36 76/EZ**



Cable Type	Code
XLPE Cables to Paper Insulated Cable	M
XLPE Cables to XLPE Cables	T

Type of Transition Joint	Code
Three-Core / Three-Lead Sheathed / Paper Insulated Cable to Single Core / Unarmoured / XLPE Cable	63/E
Three-Core / Three-Lead Sheathed / Paper Insulated Cable to Single Core / Armoured / XLPE Cable	63/EZ
Three-Core / Three-Lead Sheathed / Paper Insulated Cable to Three-Core / Unarmoured / XLPE Cable	76/E
Three-Core / Three-Lead Sheathed / Paper Insulated Cable to Three-Core / Armoured / XLPE Cable	76/EZ
Three-Core / Singel-Lead Sheathed / Paper Insulated Cable to Single Core / Unarmoured / XLPE Cable	66/E
Three-Core / Singel-Lead Sheathed / Paper Insulated Cable to Single Core / Armoured / XLPE Cable	66/EZ
Three-Core / Singel-Lead Sheathed / Paper Insulated Cable to Three-Core / Unarmoured / XLPE Cable	75/E
Three-Core / Singel-Lead Sheathed / Paper Insulated Cable to Three-Core / Armoured / XLPE Cable	75/EZ
Single Core / Lead Sheathed / Paper Insulated Cable to Single Core / Unarmoured / XLPE Cable	64/E
Single Core / Lead Sheathed / Paper Insulated Cable to Single Core / Armoured / XPE Cable	64/EZ
Three-Core / Armoured / XLPE Cable to Single Core / Armoured / XLPE Cable	65/E1
Three-Core / Armoured / XLPE Cable to Single Core / Unarmoured / XLPE Cable	65/E2
Three-Core / Unarmoured XLPE Cable to Single Core / Unarmoured / XLPE Cable	65/E3
Three-Core / Unarmoured XLPE Cable to Single Core / Armoured / XLPE Cable	65/E4

