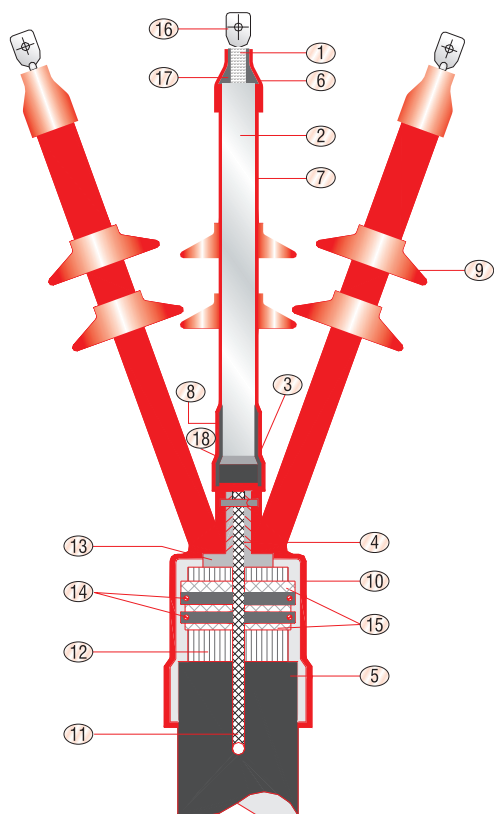




BILL OF MATERIAL STD. PACKING KIT (● + ■)

- Cable Components
- Kit Components
- Installation aids & Accessories (Part of std. kits)

Description

GXO / E - 1112 - Series Class I termination kits are Heat Shrinkable terminations designed for 3 Core extruded dielectric, shielded, armoured and unarmoured 11kV rated voltage (6.35kV/11kV, 6.6/6.6kV, U_{max} = 12kV) cables.

📌 Cable Components		📌 Kit Components		
No.	Descriptions	No.	Descriptions	Qty.
1.	Conductor	6.	Terminal Sleeve	3 Nos.
2.	Insulation	7.	Non-Tracking Weather Resistant Tubing	3 Nos.
3.	Semi Conductor Screen	8.	Stress Control Tubing	3 Nos.
4.	Metal Shield	9.	Rain Shed	6 Nos.
5.	Outer Sheath	10.	Non-Tracking Cable Break Out	1 Nos.
12.	Armour	11.	Tinned Copper Earth Braid	1 Nos.
13.	Inner Sheath	14.	Worm Drive Clips	2 Nos.
		15.	Mastic Sealing Tape	1 Roll.
		16.	Terminal Lug	3 Nos.
		17.	Lug Selling Tape	3 Nos.
		18.	Stress Control Mastic	3 Nos.

● Installation aids & Accessories (Part of std. Kits)

Description	Qty.
• Armour Earthing Arrangement (Tinned Copper Braid + Back Up Ring + Jubilee Clamp)	1 Set.
• Metal shield Earthing arrangement (Small Copper Braid + Solder + Flux)	1 Set.
• Silicone Grease	2 Nos.
• Cleaning Tissue	3 Nos.
• Nylon String for Cutting XLPE Insulation	1 Nos.
• Aloxite Emery Tape	3 Nos.
• Mopping Cloth	1 Nos.
• Installation Instruction Manual	1 Nos.

Electrical Specifications (12 kV Rated Accessories)

Test Requirement	Requirement Test Value	GXO/E-112-Series
A. C. Withstand, 1 Minute	35 kV	Pass
D. C. Withstand, 30 Minute	48 kV	Pass
Discharge Extinction Voltage (< 5Pc)	12.7 kV	>12.7kV
Impulse Withstand (Crest kV)	75 kV	>75 kV
Continuous Current Rating	As per cable	As per cable

Accessories and optional items

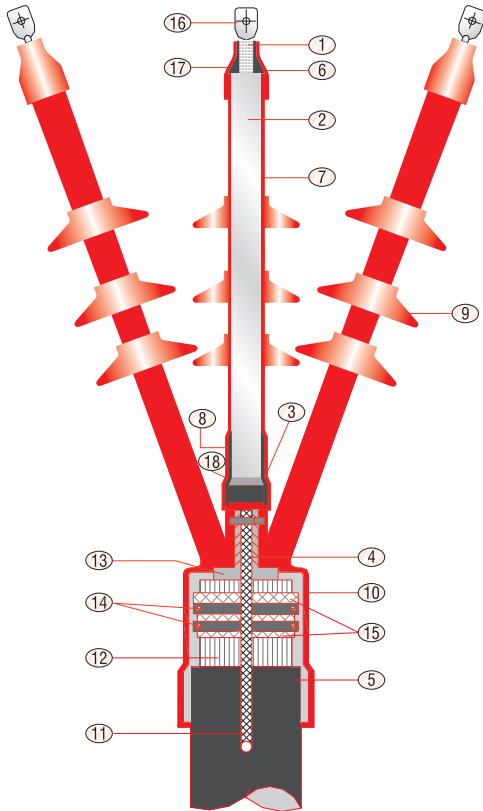
- Standard Tail Length is 600mm for outdoor and 450mm for indoor terminations. Special tail lengths available on request.
- Solderless and special purpose earthing kits also available on request.
- Polymeric Insulators and T Brackets for Installation of terminations on single pole are available on request.

Note

- All kits are supplied with full kit contents for making a termination.
- All Indoor Kits are supplied without rain sheds.

Ordering Informations

Cable Size (Sq. mm.)	Outdoor Kit Code	Indoor Kit Code
16-35	GXO-11	GXE-11
50-95	GXO-12	GXE-12
120-185	GXO-13	GXE-13
240-300	GXO-14	GXE-14
400-500	GXO-15	GXE-15



BILL OF MATERIAL STD. PACKING KIT (+)

- Cable Component
- Kit Components
- Installation aids & Accessories
(Part of std. kits)

Description

GXO / E - 1524 - Series Class I termination kits are Heat Shrinkable terminations kits designed for 3 Core extruded dielectric, shielded, armoured and unarmoured 24kV rated voltage (8.7kV/15kV, 11kV/11kV, 12.7/22kV, Umax = 24kV)

🏠 Cable Components		🧰 Kit Components		
No.	Descriptions	No.	Descriptions	Qty.
1.	Conductor	6.	Terminal Sleeve	3 Nos.
2.	Insulation	7.	Non-Tracking Weather Resistant Tubing	3 Nos.
3.	Semi Conductor Screen	8.	Stress Control Tubing	3 Nos.
4.	Metal Shield	9.	Rain Shed	6 Nos.
5.	Outer Sheath	10.	Non-Tracking Cable Break Out	1 Nos.
12.	Armour	11.	Tinned Copper Earth Braid	1 Nos.
13.	Inner Sheath	14.	Worm Drive Clips	2 Nos.
		15.	Mastic Sealing Tape	1 Roll.
		16.	Terminal Lug	3 Nos.
		17.	Lug Selling Tape	3 Nos.
		18.	Stress Control Mastic	3 Nos.

Installation aids & Accessories (Parts of std. Kits)

Descriptions	Qty.
Armour Earthing Arrangement (Tinned Copper + Back Up Ring + Jubilee Clamp)	1 Set.
Metal Shield Earthing Arrangement (Small Copper Braid + Solder + Flux)	1 Set.
Silicone Grease	2 Nos.
Cleaning Tissue	3 Nos.
Nylon String for Cutting XLPE Insulation	1 Nos.
Aloxite Emery Tape	3 Nos.
Mopping Cloth	1 Nos.
Installation Instruction Manual	1 Nos.

Electrical Specifications (24 kV Rated Accessories)

Test Requirement	Requirement Test Value	GXO/E-1524-Series
A. C. Withstand, 1 Minute	50 kV	Pass
D. C. Withstand, 30 Minute	96 kV	Pass
Discharge Extinction Voltage (< 5Pc)	25.4 kV	>25.4kV
Impulse Withstand (Crest kV)	125 kV	>125kV
Continuous Current Rating	As per cable	As per cable

Accessories and optional items

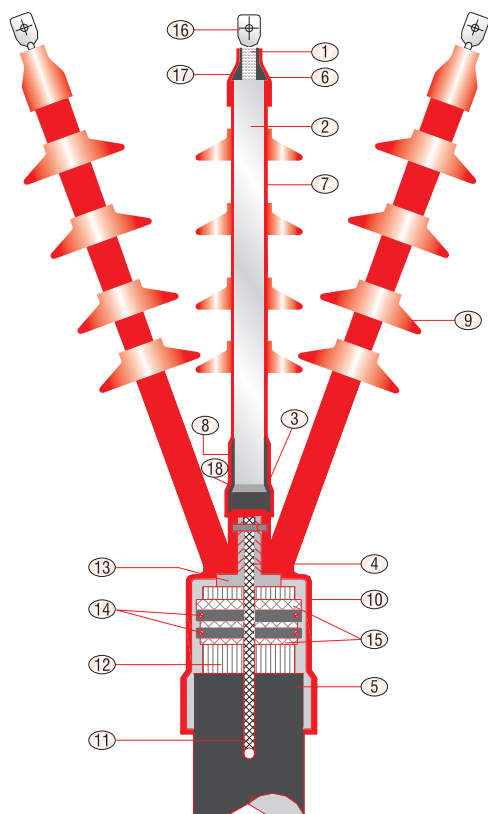
- Standard Tail Length is 800mm for outdoor and 550mm for indoor terminations. Special tail lengths available on request.
- Solderless and special purpose earthing kits also available on request.
- Polymeric Insulators and T Brackets for Installation of terminations on single pole are available on request.

Note

- All kits are supplied with full kit contents for making a termination.
- All Indoor Kits shall have 1 No. rain shed on each core.

Ordering Informations

Cable Size (Sq. mm.)	Outdoor Kit Code	Indoor Kit Code
16-50	GXO-21	GXE-21
70-120	GXO-22	GXE-22
150-185	GXO-23	GXE-23
240-400	GXO-24	GXE-24



BILL OF MATERIAL STD. PACKING KIT (+)

- Cable Component
- Kit Components
- Installation aids & Accessories
(Part of std. kits)

Description

GXO / E - 3336 - Series Class I termination kits are Heat Shrinkable terminations kits designed for 3 Core extruded dielectric, shielded, armoured and unarmoured 36kV rated voltage (19/33kV, U_{max} = 36kV).

🏠 Cable Components		🧰 Kit Components		
No.	Descriptions	No.	Descriptions	Qty.
1.	Conductor	6.	Terminal Sleeve	3 Nos.
2.	Insulation	7.	Non-Tracking Weather Resistant Tubing	3 Nos.
3.	Semi Conductor	8.	Stress Control Tubing	3 Nos.
	Screen	9.	Rain Shed	12 Nos.
4.	Metal Shield	10.	Non-Tracking Cable Break Out	1 Nos.
5.	Outer Sheath	11.	Tinned Copper Earth Braid	1 Nos.
12.	Armour	14.	Worm Drive Clips	2 Nos.
13.	Inner Sheath	15.	Mastic Sealing Tape	1 Roll.
		16.	Terminal Lug	3 Nos.
		17.	Lug Selling Tape	3 Nos.
		18.	Stress Mastic	3 Nos.

Installation aids & Accessories (Parts of std. Kits)

Descriptions	Qty.
Armour Earthing Arrangement (Tinned Copper + Back Up Ring + Jubilee Clamp)	1 Set.
Metal Shield Earthing Arrangement (Small Copper Braid + Solder + Flux)	1 Set.
Silicone Grease	2 Nos.
Cleaning Tissue	3 Nos.
Nylon String for Cutting XLPE Insulation	1 Nos.
Aloxite Emery Tape	3 Nos.
Mopping Cloth	1 Nos.
Installation Instruction Manual	1 Nos.

Electrical Specifications (24 kV Rated Accessories)

Test Requirement	Requirement Test Value	GXO/E-1524-Series
A. C. Withstand, 1 Minute	75 kV	Pass
D. C. Withstand, 30 Minute	144 kV	Pass
Discharge Extinction Voltage (< 5Pc)	38 kV	>38 kV
Impulse Withstand (Crest kV)	170 kV	>170 kV
Continuous Current Rating	As per cable	As per cable

Accessories and optional items

- Standard Tail Length is 900mm for outdoor and 700mm for indoor terminations. Special tail lengths available on request.
- Solderless and special purpose earthing kits also available on request.
- Polymeric Insulators and T Brackets for Installation of terminations on single pole are available on request.

Note

- All kits are supplied with full kit contents for making a termination.
- All Indoor terminations shall have 2 No. Rain shed on each core.

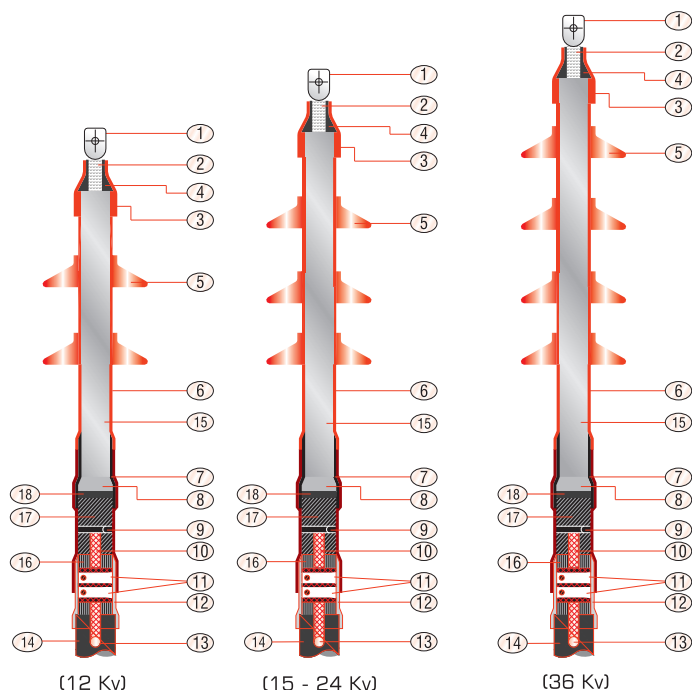
Ordering Informations

Cable Size (Sq. mm.)	Outdoor Kit Code	Indoor Kit Code
25-50	GXO-31	GXE-31
70-95	GXO-32	GXE-32
120-185	GXO-33	GXE-33
240-400	GXO-34	GXE-34

GXOS/E-1236-Series

Heat Shrinkable Terminations Suitable for Single Core XLPE/EPR/PVC Insulated Cables for 36kV

Descriptions : GXO / E - 1236 - Series Class I termination kits are Heat Shrinkable terminations kits designed for Single Core extruded dielectric, shielded, armoured and unarmoured cables upto 36kV rated voltage.



Kit Components

No.	Descriptions	Qty.
1.	Terminal Lug	1 Nos.
3.	Heat Shrinkable Adhesive Lined Terminal Sleeve	1 Nos.
4.	Lug Sealing Tape / Mastic Strip	1 Strip
5.	Rain Sheds	
	12 kV System	2 Nos.
	24 kV System	3 Nos.
	36 kV System	4 Nos.
6.	Anti Tracking Sleeve	1 Nos.
7.	Stress Control Sleeve	1 Nos.
8.	Stress Control Mastic	1 Strip
9.	Constant Force Spring Roll (Alternatively Solder Tack)	1 Nos.
10.	Copper Braid for Screen Earthing	1 Nos.
11.	Worm Drive Clip	1 Nos.
12.	Adhesive Lined Gland Sleeve (only for armoured cables)	1 Nos.
13.	Tinned Copper Braid duly fitted with Terminal Lug at One end+Solder block	1 Nos.

Cable Components

No.	Descriptions
2.	Conductor
14.	Outer Sheath
15.	XLPE Insulation
16.	Armour
17.	Metal Shield
18.	Semi-Conducting Screen

BILL OF MATERIAL STD. PACKING KIT (● + ■)

- ◆ Cable Component
- Kit Components
- Installation aids & Accessories (Part of std. kits)

Installation aids & Accessories (Part of std. Kits)

Descriptions	Qty.
• Mastic Sealing Tape	1 Roll
• Silicone Grease	1 No.
• Cleaning Tissue	2 No.
• Nylon String for Cutting XLPE Insulation	1 No.
• Aloxite Emery Tape	3 Pc.
• Mopping Cloth	1 Pc.
• Installation Instruction Manual	1 No.

Electrical Performance

Tests	12 kV System (6.6/6.6kV, 6.35/11kV)	15-24kV System (8.7/15kV, 11/11kV, 12.7/22kV)	36kV (19/33kV)
A.C Dry Withstand Voltage	35kV/1 Minute	50kV/1 Minute	50kV/1 Minute
D.C. Withstand 30 Minute	48 kV	96 kV	96 kV
Lightening Impulse withstand Voltage	75 kV	125 kV	125 kV
Partial Discharge	12.7 kV < 5 Pc.	25 kV < 5 Pc.	25 kV < 5 Pc.

Accessories and optional items

- Standard Tail Length is 900, 800 & 600mm for outdoor and 700, 550 & 450mm for indoor termination for 36kV, 24kV & 12kV Respectively.
- Solderless and special purpose earthing kits also available on request.
- Polymeric Insulators and T Brackets for Installation of terminations on single pole are available on request.

Note

- All kits are supplied with full kit contents for making a termination.
- Rain sheds for indoor termination 12kV - No Rain shed, 15 - 24 kV - 1 No. Rain shed, 36 kV - 2 Nos. Rain sheds.

Ordering Informations

12 kV System

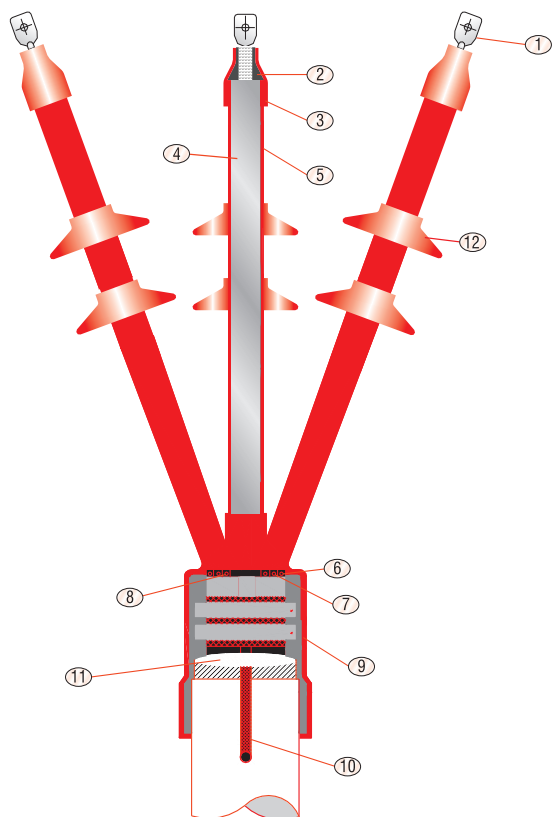
15 - 24 kV System

36 kV System

Cable Size (sq. mm.)	Kit Code		Cable Size (sq. mm.)	Kit Code		Cable Size (sq. mm.)	Kit Code	
	Indoor	Outdoor		Indoor	Outdoor		Indoor	Outdoor
16 - 50	GXES-11	GXOS-11	16 - 50	GXES-21	GXOS-21	25 - 50	GXES-31	GXOS-31
70 - 120	GXES-12	GXOS-12	70 - 150	GXES-22	GXOS-22	70 - 185	GXES-32	GXOS-32
150 - 300	GXES-13	GXOS-13	185 - 300	GXES-23	GXOS-23	240 - 500	GXES-33	GXOS-33
400 - 630	GXES-14	GXOS-14	400 - 630	GXES-24	GXOS-24	630 - 800	GXES-34	GXOS-34
800 - 1000	GXES-15	GXOS-15	800 - 1000	GXES-25	GXOS-25	1000	GXES-35	GXOS-35

Description

GPO / E - 1112 - Series Class I termination kits are Heat Shrinkable terminations kits designed for 3 Core Paper Insulated Lead Covered Armoured / Screened PILC Cables.



Kit Components

No.	Descriptions	Qty.
1.	Terminal Lug	3 Nos.
2.	Lug Sealing Mastic	3 Strips
3.	Terminal Sleeve	3 Nos.
4.	Oil Barrier Sleeve	3Nos.
5.	Non Tracking Weather Resistant Sleeve	3 Nos.
6.	Stress Control Sleeve	3 Nos.
7.	Belting Oil Barrier Sleeve	1 No.
8.	Glass Cushion Tape	1 No.
9.	Cable Breakout	1 No.
10.	Earthing Connection Lead	1 No.
11.	Earthing Plumb	1 Set
12.	Rain Sheds	6 Nos.

Installation aids & Accessories (Part of std. Kits)

No.	Descriptions	Qty.
•	Mastic Sealing Tape	1 Roll
•	Cleaning Solvent	1 Bottle
•	Emery Sheet	1 No.
•	Mopping Cloth	1 Pc.
•	Installation Instruction Manual	1 No.

BILL OF MATERIAL STD. PACKING KIT (● + ■)

- Kit Components
- Installation aids & Accessories (Part of std. kits)

Electrical Performance

Test	Requirement	Typical Value
A. C. Dry Withstand Voltage	35 kV / 1 Minute	Pass
D. C. Voltage Withstand Test	48 kV / 30 Minute	Pass
Lightening Impulse Withstand Voltage	75 kV	> 75 kV

Accessories and optional items

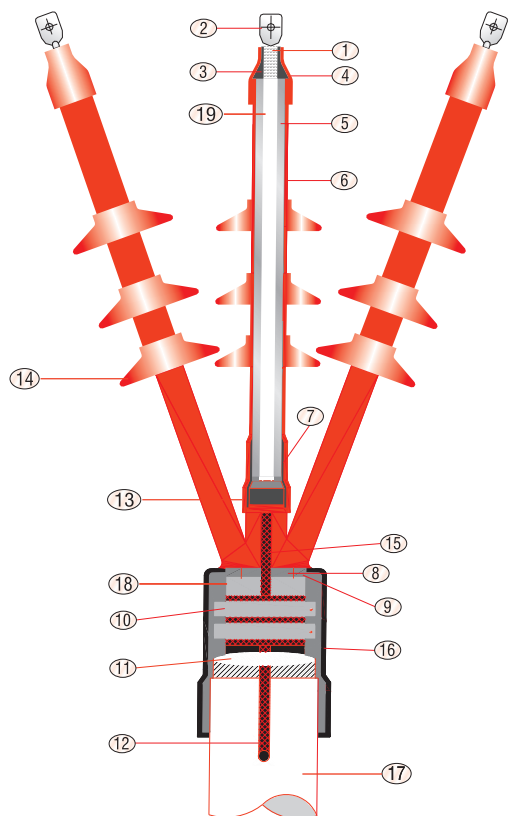
- Standard Tail Length is 600mm for outdoor and 450mm for indoor terminations. Special tail lengths available on request.
- Solderless and special purpose earthing kits also available on request.
- Polymeric Insulators and T Brackets for Installation of terminations on single pole are available on request.

Note

- All kits are supplied with full kit contents for making a termination.
- All Indoor Kits are supplied without Rain shed.

Ordering Informations

Cable Size (Sq. mm.)	Outdoor Kit Code	Indoor Kit Code
16 - 35	GPO-11	GPE-11
50 - 95	GPO-12	GPE-12
120 - 185	GPO-13	GPE-13
240 - 400	GPO-14	GPE-14
500	GPO-15	GPE-15



Description

GPO / E - 1524 - Series Class I termination kits are Heat Shrinkable terminations kits designed for 3 Core Screened, Paper Insulated Lead Sheathed / Armour Cable Upto 24kV.

📌 Cable Components		📌 Kit Components		
No.	Descriptions	No.	Descriptions	Qty.
1.	Conductor	2.	Terminal Lug	3 Nos.
17.	Outer Sheath	3.	Lug Sealing Mastic	3 Strips
18.	Lead Sheath	4.	Heat Shrinkable Adhesive Lined Terminal Sleeve	3 Nos.
19.	Paper Insulated Core	5.	Heat Shrinkable Oil barrier Sleeve	3 Nos.
		6.	Heat Shrinkable Non Tracking Weather Resistant Tubing	3 Nos.
		7.	Stress Control Tubing	3 Nos.
		8.	Glass Cushion Tape	1 Roll
		9.	Heat Shrinkable Belting Oil Barrier Sleeve	1 No.
		10.	Worm Drive Clips (Optional)	2 Nos.
		11.	Earthing Plumb (Connection of Lead Sheath to Armour)	1 Set.
		12.	Tinned Copper Brand (Main Earthing)	1 No.
		13.	Stress Control Mastic	3 Strips
		14.	Rain Sheds	9 Nos.
		15.	Insulation Shield Continuing (Small Copper Braid + Copper Wire)	1 Set
		16.	Heat Shrinkable Conducting Breakout	1 No.

BILL OF MATERIAL STD. PACKING KIT (●+■)

- ◆ Cable Component
- Kit Components
- Installation aids & Accessories (Part of std. kits)

● Installation aids & Accessories (Part of std. Kits)

Descriptions	Qty.
• Mastic Sealing Tape	1 Roll
• Cleaning Solvent	1 Bottle
• Empty Sheet	1 No.
• Mopping Cloth	1 Pc.
• Installation Instruction Manual	1 No.

Electrical Performance

Test	Requirement	Typical Value
A. C. Dry Withstand Voltage	50 kV / 1 Minute	Pass
D. C. Voltage Withstand Test	96 kV / 15 Minute	Pass
Lightening Impulse Withstand Voltage	125 kV	> 125 kV

Accessories and optional items

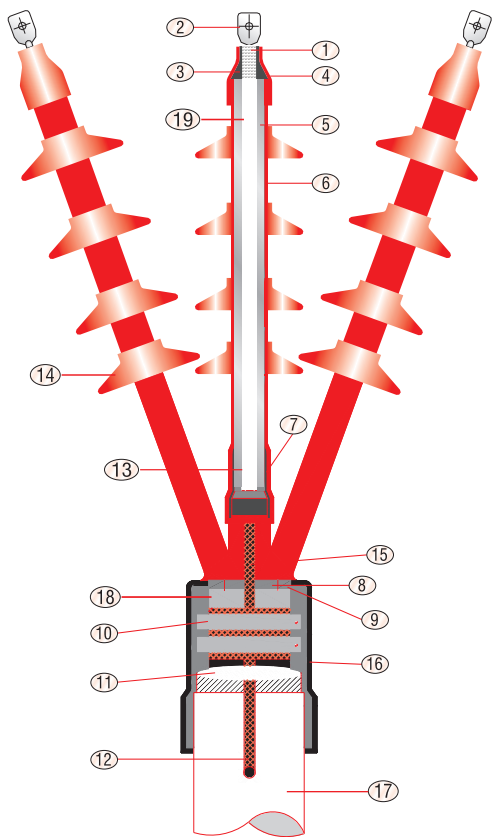
- Standard Tail Length is 800mm for outdoor and 550mm for indoor terminations. Special tail lengths available on request.
- Solderless and special purpose earthing kits also available on request.
- Polymeric Insulators and T Brackets for Installation of terminations on single pole are available on request.

Note

- All kits are supplied with full kit contents for making a termination.
- All Indoor Kits terminations shall have 1 No. Rain shed on each core.

Ordering Informations

Cable Size (Sq. mm.)	Outdoor Kit Code	Indoor Kit Code
25 - 50	GPO-21	GPE-21
70 - 120	GPO-22	GPE-22
150 - 240	GPO-23	GPE-23
300 - 500	GPO-24	GPE-24



Descriptions

GPO / E - 3336 - Series Class I termination kits are Heat Shrinkable terminations kits designed for 3 Core Screen Lead Sheath / Armour Paper Insulated Cable UPTO 36kV (33kV& 36kV).

🏠 Cable Components		📦 Kit Components		
No.	Descriptions	No.	Descriptions	Qty.
1.	Conductor	2.	Terminal Lug	3 Nos.
17.	Outer Sheath	3.	Lug Sealing Tape/Mastic	3 Strips
18.	Lead Sheath	4.	Heat Shrinkable Adhesive Lined Terminal Sleeve	3 Nos.
19.	Paper Insulated Core	5.	Heat Shrinkable Oil barrier Sleeve	3 Nos.
		6.	Heat Shrinkable Non Tracking Weather Resistant Tubing	3 Nos.
		7.	Stress Control Tubing	3 Nos.
		8.	Glass Cushion Tape	1 Roll.
		9.	Heat Shrinkable Belting Oil Barrier Sleeve	1 No.
		10.	Worm Drive Clips (Optional)	2 Nos.
		11.	Earthing Plumb (Connection of Lead Sheath to Armour)	1 Set.
		12.	Tinned Copper Brand (Main Earthing)	1 No.
		13.	Stress Control Mastic	3 Strips
		14.	Rain Sheds	9 Nos.
		15.	Insulaton Shield Continuting (Small Copper Braid+Copper Wire)	1 Set.
		16.	Heat Shrinkable Conducting Breakout	1 No.

BILL OF MATERIAL STD. PACKING KIT (+)

- Cable Components
- Kit Components
- Installation aids & Accessories (Part of std. kits)

● Installation aids & Accessories (Part of std. Kits)

No.	Descriptions	Qty.
	Mastic Sealing Tape	1 Roll.
	Cleaning Solvent	1 Bottle.
	Emery Sheet	1 No.
	Mopping Cloth	1 Pc.
	Installation Instruction Manual	1 No.

Electrical Performance

Tests Requirement	Requirement Test Value	CXO/E-112-Series
A.C. Dry Withstand	75 kV / 1 Minute	Pass
D.C. Voltage Withstand Test	144 kV / 30 Minute	Pass
Lightening Impulse Withstand Voltage	170 kV	> 170 kV

Accessories and optional items

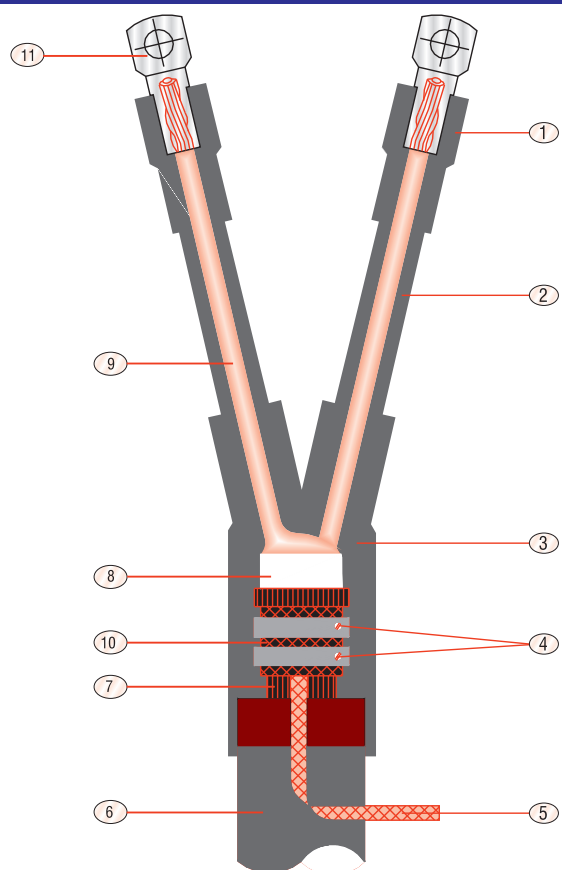
- Standard Tail Length is 900mm for outdoor and 700mm for indoor terminations. Special tail lengths available on request.
- Solderless and special purpose earthing kits also available on request.
- Polymeric Insulators and T Brackets for installation of terminations on single pole are available on request.

Note

- All kits are supplied with full kit contents for making a termination.
- All Indoor terminations shall have 2 No. Rain shed on each core.

Ordering Informations

Cable Size (Sq. mm.)	Outdoor Kit Code	Indoor Kit Code
35-70	GPO-31	GPE-31
95-150	GPO-32	GPE-32
185-300	GPO-33	GPE-33
400	GPO-34	GPE-34



Descriptions

GLT - 1100 - Series Heat Shrinkable terminations kits designed for 1, 2, 3, 3½, 4, Core extruded Solid dielectric (XLPE / PVC) & paper insulated cable (Armoured / Un-Armoured) of 1.1kV & 3.3 kV rating.

◆ Cable Components

No.	Descriptions
6.	Outer Sheath
7.	Armour
8.	Inner Sheath
9.	Cable Insulation

■ Kit Components

No.	Descriptions	Qty.
1.	H. S. Terminal Sleeve	4 Nos.
2.	Insulations Sleeve*	4 Nos.
3.	H. S. Cable Breakout	1 No.
4.	Jubilee Clamp	1 No.
5.	Tinned Copper Braid	1 No.
10.	Black Mastic Sealant Tape	1 Roll.
11.	Terminal Lug	4 Nos.

* Optional item

BILL OF MATERIAL STD. PACKING KIT (◆+■)

- ◆ Cable Components
- Kit Components
- Installation aids & Accessories (Part of std. kits)

● Installation aids & Accessories (Part of std. Kits)

No.	Descriptions	Qty.
•	Cleaning Tissue	2 Nos.
•	Mopping Cloth	1 No.
•	Installation Instruction Manual	1 No.

Guaranteed Technical Particulars in compliance with IEC 60502, 60060 & 60230

Tests	Parameter For Evaluation	Test Voltage Highest Voltage Umax (kV)	Result
Insulation Resistance	1 mn. 500 V Dc	1.1	3.3
A.C. High Voltage Test (Dry)	15 min.	4	8
Impulse Witstand Test at Ambient Temperature	10 Positive & 10 Negative	8	12
Heating Cycle Test	63 cycles, 8 Hour Cycle, 5 hrs. heating & 3 hrs. cooling	-	-
Insulation Resistance after Impact Test (Immersed)	1 min. 500 V Dc	-	-
Impulse Withstand Test at Elevated Temperature	10 Positive & 10 Negative Conductor temperatur 95 to 100°C	8	12
Heating Cycle Test	63 cycles, 8 Hour Cycle, 5 hrs. heating & 3 hrs. cooling	-	-
D.C. High Voltage Test (Dry)	5min	15	21

Ordering Informations

Cable Size (Sq. mm.)	Kit Code 1.1 kV	Kit Code 3.3 kV
4x16-35	GLT-01	GLT-11
4x50-95	GLT-02	GLT-12
4x120-185	GLT-03	GLT-13
4x225-300	GLT-04	GLT-14
4x400-500	GLT-05	GLT-15

Note

- All kits are supplied with full kit contents for making a LV Terminations.