



XSOS/ES 12-24-36

## Heat Shrink Termination

upto 36 kV (for Single Core XLPE/EPR Insulated Cable)

- In house state-of-the-art compounding technology to provide maximum protection against tracking, corona discharge & dielectric stress.
- Minimises joiner's skills.
- The Products are carefully selected compositions of raw materials to meet the most stringent demands.
- We also offer tailor-made solutions against specific requirements.
- Continuous operation temperature-55°C to 120°C.
- Corrosion resistant and unlimited shelf life.
- High resistance to impact and abrasion.
- In compliance to various international specifications and standards (IEC-60502-4 / IS:13573).
- Electrolytic grade connectors.

**40**

Years of  
Experience

**35**

Countries  
Global  
Presence

**200**

Plus Skilled  
Manpower

**4**

World Class  
Manufacturing  
Facilities

**50**

Internationally  
Approved  
Products

**DENSONS** Heat Shrinkable Terminations and Straight Joints offer unsurpassed technical superiority. Using state-of-the-art manufacturing technology. Densons High Voltage products provide maximum protection against Tracking, Corona Discharge and Dielectric Stresses. Densons High Voltage Products are easily adaptable to cover a broad range of cable sizes, and conforming to various Internationally accepted standards such as **IS, VDE, IEC, IEEE**.

## Specifications:

Test Item of Heat Shrinkable Terminations as per IEC-60502-4 / IS:13573

| Testing Items U o/U        | 6.35/11 kV  | 12.7/22 kV   | 19/33 kV   |
|----------------------------|---|--|--|
| A/C withstand test         | 29kV, 5min, no flashover  | 58kV, 5min, no flashover   | 86kV, 5min, no flashover   |
| Partial discharge test     | 11kV<10pc (Max.)  | 22kV<10pc (Max.)   | 33kV<10pc (Max.)   |
| Thermal Cycles (63 cycles) | under95-100° C 16kV   | under95-100° C 32kV  | under95-100° C 48kV  |
| Impulse voltage test       | 75kV no flashover   | 125kV no flashover   | 170kV no flashover   |
| A/C with stand test        | 16kV, 15 min, no flashover  | 32kV, 15 min, no flashover   | 48kV, 15 min, no flashover   |
| Humidity test (Indoor)     | No flashover, tracking erosion or mechanical damage occurred at 300hrs, 8kV                         | No flashover, tracking erosion or mechanical damage occurred at 300hrs, 16kV                         | No flashover, tracking erosion or mechanical damage occurred at 300hrs, 24kV                         |
| Salt Frog test (Outdoor)   | No flashover, tracking erosion or mechanical damage occurred at 1000hrs, 8kV no flashover, tracking | No flashover, tracking erosion or mechanical damage occurred at 1000hrs, 16kV no flashover, tracking | No flashover, tracking erosion or mechanical damage occurred at 1000hrs, 24kV no flashover, tracking |

## Order Reference:

### For 11 kV Indoor Terminations (for XLPE Cable)

| 11 kV 1 Core<br>Indoor<br>Terminations | Cable Size (mm <sup>2</sup> ) | Kit Code  |
|--|-------------------------------|-----------|
|  | 1 x 16 - 50                   | XSES - 11 |
|  | 1 x 70 - 120                  | XSES - 12 |
|  | 1 x 150 - 300                 | XSES - 13 |
|  | 1 x 400 - 630                 | XSES - 14 |
|  | 1 x 800 - 1000                | XSES - 15 |

### For 11 kV Outdoor Terminations (for XLPE Cable)

| 11 kV 1 Core<br>Outdoor<br>Terminations | Cable Size (mm <sup>2</sup> ) | Kit Code  |
|---|-------------------------------|-----------|
|   | 1 x 25 - 50                   | XSOS - 11 |
|   | 1 x 70 - 120                  | XSOS - 12 |
|   | 1 x 150 - 300                 | XSOS - 13 |
|   | 1 x 400 - 630                 | XSOS - 14 |
|   | 1 x 800 - 1000                | XSOS - 15 |

### For 22 kV Indoor Terminations (for XLPE Cable)

| 22 kV 1 Core<br>Indoor<br>Terminations | Cable Size (mm <sup>2</sup> ) | Kit Code  |
|--|-------------------------------|-----------|
|  | 1 x 16 - 50                   | XSES - 21 |
|  | 1 x 70 - 150                  | XSES - 22 |
|  | 1 x 185 - 300                 | XSES - 23 |
|  | 1 x 400 - 630                 | XSES - 24 |
|  | 1 x 800 - 1000                | XSES - 25 |

### For 22 kV Outdoor Terminations (for XLPE Cable)

| 22 kV 1 Core<br>Outdoor<br>Terminations | Cable Size (mm <sup>2</sup> ) | Kit Code  |
|---|-------------------------------|-----------|
|   | 1 x 16 - 50                   | XSOS - 21 |
|   | 1 x 70 - 150                  | XSOS - 22 |
|   | 1 x 185 - 300                 | XSOS - 23 |
|   | 1 x 400 - 630                 | XSOS - 24 |
|   | 1 x 800 - 1000                | XSOS - 25 |

### For 33 kV Indoor Terminations (for XLPE Cable)

| 33 kV 1 Core<br>Indoor<br>Terminations | Cable Size (mm <sup>2</sup> ) | Kit Code  |
|--|-------------------------------|-----------|
|  | 1 x 25 - 50                   | XSES - 31 |
|  | 1 x 70 - 185                  | XSES - 32 |
|  | 1 x 240 - 400                 | XSES - 33 |
|  | 1 x 500 - 800                 | XSES - 34 |
|  | 1 x 1000                      | XSES - 35 |

### For 33 kV Outdoor Terminations (for XLPE Cable)

| 33 kV 1 Core<br>Outdoor<br>Terminations | Cable Size (mm <sup>2</sup> ) | Kit Code  |
|---|-------------------------------|-----------|
|   | 1 x 25 - 50                   | XSOS - 31 |
|   | 1 x 70 - 185                  | XSOS - 32 |
|   | 1 x 240 - 400                 | XSOS - 33 |
|   | 1 x 500 - 800                 | XSOS - 34 |
|   | 1 x 1000                      | XSOS - 35 |