

MV DNO Approved 3 Core Cable

Application

Application: 11 KV A.C Electricity Distribution Cable

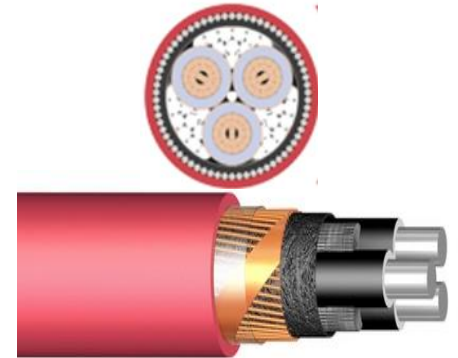
Conductor Temperature: Max: Max. 90°

Short Circuit Temp: Min.250°

Installation Temp: Min. -15°C

Min. radius of bend : 10 X D

Max. Pulling Tension: Directly on conductor 30N/mm² of total cross section



Construction

Conductor: Circular Solid Aluminium

Conductor Screen : Extruded semi-conducting compound

Insulation: XLPE

Insulation Screen: Extruded semi conducting cold strippable compound

Screen: Concentric layer of copper wires with a copper tape applied in the opposite direction.

Moisture Barrier: Swelling Tape. Aluminium tape longitudinally applied with overlap

Outer Sheath : PE

Color of Sheath 

Technical

Standard: BS 7870

Marking of Sheath: Electric Cable 11000 "Dimension" "Year" "Meters" Additional Text on request

Rated Voltage: 11KV AC between Phases

Standard Length: 250M Drums

Screen Sizes: Other Screen sizes on request


Technical Properties

| Nominal area of conductor and Screen | Diameter of conductor Nominel | Radical Thickness of insulation | Standard length | Outer Dimension max(D) | Approx. Weight | Approvals |
|--------------------------------------|-------------------------------|---------------------------------|-----------------|------------------------|----------------|-------------|
| mm ² | mm | mm | m | mm | kg pr. KM | |
| 3X95+70 | 10.6 | 3.4 | - | 58 | 3500 | SPEN |
| 3X150+60 | 13.3 | 3.4 | - | 62 | 3200 | SSE |
| 3X185+95 | 14.8 | 3.4 | - | 68 | 4500 | SPEN |
| 3X240+60 | 17 | 3.4 | - | 71 | 4300 | SSE |
| 3X300+95 | 18.9 | 3.4 | - | 78 | 6500 | SPEN |


Mechanical Properties

| | MM ² | 95 | 150 | 185 | 240 | 300 |
|--------------------------------------|-----------------|------|------|------|------|------|
| Diameter of conductor, nom. | mm | 10.6 | 13.3 | 14.8 | 17 | 18.9 |
| Insulation thickness,nom. | mm | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| Diameter over insulation. | mm ² | 19 | 21.7 | 23.2 | 25.4 | 29.3 |
| Diameter of laid up core. Nom | mm | 45.4 | 48.1 | 54.4 | 56.2 | 63.4 |
| Area of copper screen, Nom. | mm | 70 | 60 | 95 | 60 | 95 |
| Diameter over screen, Nom. | mm | 48.6 | 51.8 | 57.7 | 59.9 | 66.6 |
| Thickness of sheath, Nom. | mm | 2.7 | 2.9 | 3 | 3.2 | 3.3 |
| Diameter over Sheath, Nom. | mm | 54 | 57.9 | 63.7 | 66.6 | 73.2 |
| Diameter over Sheath, Max. | mm | 58 | 62 | 68 | 71 | 78 |
| Weight of Cable, Apprx | kg/m | 3.5 | 3.2 | 4.5 | 4.3 | 6.5 |
| Radius of bend, Min. | mm | 540 | 580 | 640 | 660 | 720 |
| Pulling tension on the cable | kN | 7.5 | 10 | 12 | 15 | 15 |