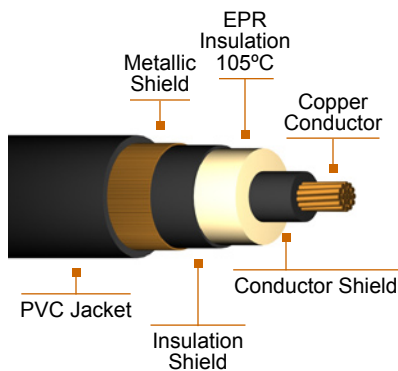


## Flexonax Slim 105

8.7 kV Up to 20 kV Copper Conductor, EPR Insulation, Metallic Shield and Outer PVC Jacket



### Detail Description or Construction

#### Conductor

Compacted copper conductor class B

#### Conductor Shield

Thermosetting extruded semi-conducting compound

#### Insulation

Ethylene propylene rubber (EPR) 105°C extruded in a real triple extrusion process

#### Insulation shield

Thermosetting extruded semi-conducting compound, adequate adhesion to the insulation and easy of stripping

#### Metallic shield

Uncoated helically applied copper wires or copper tape, as requested

#### Jacket

Extruded black sunlight resistant, flame retardant, oils resistant PVC jacket with excellent mechanical properties

### Application

Primary power and distribution circuits in industrial, commercial and power circuit generating plants.

### Standards / Testing Specifications

- NBR 7286 - Power transmission cables with solid Ethylene-Propylene-Rubber (EPR) extruded insulation for operating voltages from 1 to 35 kV.

### Marking

NUMBER OF CONDUCTORS X SIZE  
EPR PVC VOLTAGE LEVEL.

### Installation

Flexonax Slim 105 cables may be installed in wet or dry locations at maximum operating temperature of 105°C for normal operation; 140°C for emergency and 250°C for short circuit conditions. Cables may be installed indoor and outdoor, exposed to sunlight, in raceway, conduit, duct or aerially supported by a messenger and directly buried.



## Flexonax Slim 105

8.7 kV Up to 20 kV Copper Conductor, EPR Insulation, Metallic Shield and Outer PVC Jacket

| CABLE FLEXONAX SLIM 105 8,7 / 15 kV |                  |                   |        |                          |                    |                 |  |
|-------------------------------------|------------------|-------------------|--------|--------------------------|--------------------|-----------------|--|
| Conductor                           |                  | Nominal Thickness |        | Maximum Overall Diameter | Nominal Net Weight | Length per Reel |  |
| Nominal Size                        | Nominal Diameter | Insulation        | Sheath |                          |                    |                 |  |
| mm <sup>2</sup>                     | mm               | mm                | mm     | mm                       | kg / km            | m               |  |
| COPPER - 1 CONDUCTOR                |                  |                   |        |                          |                    |                 |  |
| 16                                  | 4.65             | 3.50              | 1.40   | 18.96                    | 511                | 2,700           |  |
| 25                                  | 5.85             | 3.00              | 1.40   | 20.80                    | 585                | 2,300           |  |
| 35                                  | 6.80             | 3.00              | 1.40   | 22.00                    | 693                | 1,900           |  |
| 50                                  | 8.02             | 3.00              | 1.40   | 23.10                    | 836                | 1,900           |  |
| 70                                  | 9.58             | 3.00              | 1.50   | 25.10                    | 1,067              | 1,400           |  |
| 95                                  | 11.30            | 3.00              | 1.50   | 27.10                    | 1,342              | 1,400           |  |
| 120                                 | 12.78            | 3.00              | 1.60   | 28.80                    | 1,610              | 1,500           |  |
| 150                                 | 14.10            | 3.00              | 1.60   | 30.40                    | 1,887              | 1,500           |  |
| 185                                 | 15.73            | 3.00              | 1.70   | 32.50                    | 2,269              | 1,200           |  |
| 240                                 | 18.04            | 3.50              | 1.80   | 36.40                    | 2,940              | 1,200           |  |
| 300                                 | 20.36            | 3.50              | 1.90   | 39.10                    | 3,569              | 1,000           |  |
| 400                                 | 23.10            | 3.50              | 2.00   | 42.30                    | 4,429              | 900             |  |
| 500                                 | 26.22            | 3.50              | 2.10   | 46.00                    | 5,522              | 700             |  |
| 630                                 | 30.20            | 3.50              | 2.20   | 48.83                    | 6,959              | 600             |  |



## Flexonax Slim 105

8.7 kV Up to 20 kV Copper Conductor, EPR Insulation, Metallic Shield and Outer PVC Jacket

| CABLE FLEXONAX SLIM 105 12 / 20 kV |                  |                   |        |                          |                    |                 |  |
|------------------------------------|------------------|-------------------|--------|--------------------------|--------------------|-----------------|--|
| Conductor                          |                  | Nominal Thickness |        | Maximum Overall Diameter | Nominal Net Weight | Length per Reel |  |
| Nominal Size                       | Nominal Diameter | Insulation        | Sheath |                          |                    |                 |  |
| mm <sup>2</sup>                    | mm               | mm                | mm     | mm                       | kg / km            | m               |  |
| COPPER - 1 CONDUCTOR               |                  |                   |        |                          |                    |                 |  |
| 16                                 | 4.65             | 5.20              | 1.50   | 22.92                    | 663                | 1,500           |  |
| 25                                 | 5.85             | 4.70              | 1.50   | 23.14                    | 738                | 1,400           |  |
| 35                                 | 6.80             | 4.00              | 1.40   | 24.20                    | 778                | 1,400           |  |
| 50                                 | 8.02             | 4.00              | 1.50   | 25.50                    | 938                | 900             |  |
| 70                                 | 9.58             | 4.00              | 1.50   | 27.30                    | 1,165              | 900             |  |
| 95                                 | 11.30            | 4.00              | 1.60   | 29.50                    | 1,461              | 900             |  |
| 120                                | 12.78            | 4.00              | 1.60   | 31.00                    | 1,720              | 900             |  |
| 150                                | 14.10            | 4.00              | 1.70   | 32.80                    | 2,020              | 900             |  |
| 185                                | 15.73            | 4.50              | 1.70   | 34.70                    | 2,395              | 800             |  |
| 240                                | 18.04            | 4.50              | 1.90   | 38.80                    | 3,095              | 800             |  |
| 300                                | 20.36            | 4.50              | 1.90   | 41.30                    | 3,718              | 700             |  |
| 400                                | 23.10            | 4.50              | 1.90   | 44.30                    | 4,591              | 700             |  |
| 500                                | 26.22            | 4.50              | 2.00   | 48.20                    | 5,699              | 600             |  |
| 630                                | 30.20            | 4.50              | 2.10   | 51.04                    | 7,152              | 500             |  |