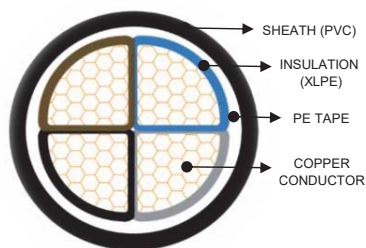


|                                                                                   |                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------|
|  | YXV / N2XY / XP 00                                                    |
|                                                                                   | Multi Core / Copper Conductor / XLPE insulated / PE Tape / PVC Sheath |
|                                                                                   | Low Voltage Energy Cable                                              |
|                                                                                   | Rated Voltage: Uo/U; 0,6 / 1 kV                                       |
|                                                                                   | Standard: TS IEC 60502-1 / IEC 60502 – 1 / HD 603 S1 / VDE 0276       |
| INTEKAR GLOBAL Corporation                                                        |                                                                       |



| Technical Data                  |                        | Cable Structure     |                          |
|---------------------------------|------------------------|---------------------|--------------------------|
| Core temperature, max.          | 90°C in Operation      | Conductor           | IEC 60228 Class 2        |
| Max. Short Circuit Temperature  | 250°C / 5 sec.         | Insulation          | XLPE IEC 60502-1         |
| Bending Radius, min.            | 15 x D cable           | Color of Insulation | Brown, Black, Grey, Blue |
| Max. Permessble Tensile         | 50 N / mm <sup>2</sup> | Filler              | IEC 60502-1              |
| Rated current carrying capacity | One system             | Sheath              | PVC IEC 60502-1          |
|                                 |                        | Color of Sheath     | Black                    |

#### Application

The power cables with insulation of XLPE are used for electricity supply in Low Voltage (LV) installation systems with a voltage rating of 0,6/1 kV. It is used in power plants, switchgear industry plants, local energy distribution. Where the risk of mechanical damage is high (outside, inside), underground or used in cable ducts.

SM– multiwire sector shaped conductor

| DIMENSIONS AND WEIGHTS                        |                    |                                         | ELECTRICAL PROPERTIES |                                        |                                     |              |
|-----------------------------------------------|--------------------|-----------------------------------------|-----------------------|----------------------------------------|-------------------------------------|--------------|
| Number of cores x<br>Nominal Cross<br>Section | Conductor<br>Shape | Diameter<br>of Cable<br>(Approximately) | Length of<br>Cable    | Conductor DC<br>Resistance at<br>20 °C | Rated current carrying capacity (A) |              |
| No x mm <sup>2</sup>                          | –                  | mm                                      | m                     | ohm/km                                 | Under Ground 20 °C                  | In Air 30 °C |
| 4x50                                          | SM                 | 23,8                                    | 1000                  | 0,387                                  | 205                                 | 195          |
| 4x70                                          | SM                 | 27,4                                    | 1000                  | 0,268                                  | 252                                 | 247          |
| 4x95                                          | SM                 | 31,0                                    | 1000                  | 0,193                                  | 303                                 | 305          |
| 4x120                                         | SM                 | 34,4                                    | 500                   | 0,153                                  | 346                                 | 356          |
| 4x150                                         | SM                 | 38,4                                    | 500                   | 0,124                                  | 390                                 | 407          |
| 4x185                                         | SM                 | 42,8                                    | 500                   | 0,0991                                 | 441                                 | 469          |
| 4x240                                         | SM                 | 48,2                                    | 250                   | 0,0754                                 | 511                                 | 551          |