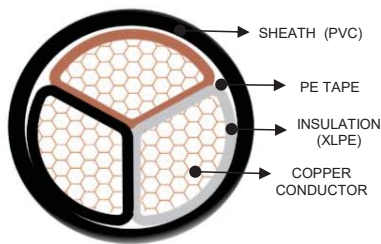


|                                                                                   |                                                                        |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
|  | YXV / N2XY / XP 00                                                     |
|                                                                                   | Three Cores / 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 |
| 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 Nominal Cross Section | Conductor Shape | Diameter of Cable (Approximately) | Length of Cable       | Conductor DC Resistance at 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 |
| 3x50                                    | SM              | 23,2                              | 1000                  | 0,387                            | 205                                 | 195          |
| 3x70                                    | SM              | 25,9                              | 1000                  | 0,268                            | 252                                 | 247          |
| 3x95                                    | SM              | 28,9                              | 1000                  | 0,193                            | 303                                 | 305          |
| 3x120                                   | SM              | 31,2                              | 500                   | 0,153                            | 346                                 | 356          |
| 3x150                                   | SM              | 35,3                              | 500                   | 0,124                            | 390                                 | 407          |
| 3x185                                   | SM              | 39,2                              | 500                   | 0,0991                           | 441                                 | 469          |
| 3x240                                   | SM              | 43,8                              | 250                   | 0,0754                           | 511                                 | 551          |
| 3x300                                   | SM              | 48,0                              | 250                   | 0,0601                           | 580                                 | 638          |