



INTEKAR GLOBAL Corporation

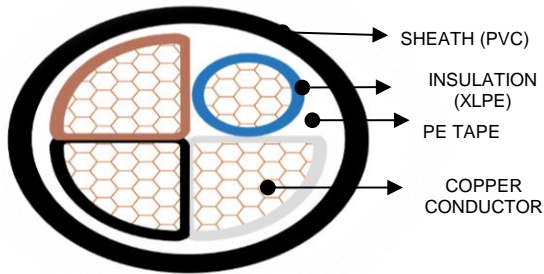
**YXV / N2XY / XP 00**

**Multi Core / Copper Conductor / XLPE insulated / PE Tape / PVC Sheath**

**Low Voltage Energy Cable**

**Rated Voltage: U<sub>o</sub>/U; 0,6 / 1 kV**

**Standard: TS IEC 60502-1 / IEC 60502 – 1 / HD 603 S1 / VDE 0276**



<b>Technical Data</b>		<b>Cable Structure</b>	
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, Blue
Max. Permissible 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.

RM – multiwire round shaped conductor

SM - multiwire sector shaped conductor

<b>DIMENSIONS AND WEIGHTS</b>			<b>ELECTRICAL PROPERTIES</b>			
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 + 25	SM/RM	22,8	1000	0,387	205	195
3x70 + 35	SM/RM	26,2	1000	0,268	252	247
3x95 + 50	SM/RM	30,0	1000	0,193	303	305
3x120 + 70	SM/RM	33,4	500	0,153	346	356
3x150 + 70	SM/RM	37,2	500	0,124	390	407
3x185 + 95	SM/RM	41,6	500	0,0991	441	469
3x240 + 120	SM/RM	47,0	500	0,0754	511	551