



INTEKAR GLOBAL Corporation

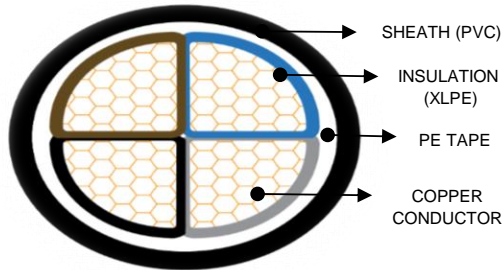
YXV / N2XY / XP 00

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

Low Voltage Energy Cable

Rated Voltage: U₀/U; 0,6 / 1 kV

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



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. Permissible Tensile	50 N / mm ²	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)	
					Under Ground 20 °C	In Air 30 °C
No x mm ²	-	mm	m	ohm/km		
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