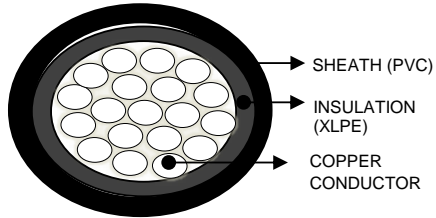




<b>YXV - U, YXV - R, / N2XY / XP 00</b>
<b>One Core / Copper Conductor / XLPE insulated / PVC Sheath</b>
<b>Low Voltage Energy Cable</b>
<b>Rated Voltage: U<sub>0</sub>/U; 0,6 / 1 kV</b>
<b>Standard: TS IEC 60502-1 / VDE 0276</b>

**INTEKAR GLOBAL Corporation**



Technical Data		Cable Structure	
Core temperature, max.	90°C in Operation	Conductor	IEC 60228 Class 1 - 2
Max. Short Circuit Temperature	250°C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	50 N/mm <sup>2</sup>	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	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. These cables are with very low dielectric losses and are used as power cables in power centers, switchgear and industrial plants, in local energy distribution, where there is no risk of mechanical damage (externally, indoors), underground or in cable ducts.

RE – solid round shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approximately)	Weight of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm <sup>2</sup>	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
1x1,5	RE	5,5	45	1000	12,1	39	32
1x2,5	RE	6,0	55	1000	7,41	51	42
1x4	RE	6,4	73	1000	4,61	66	56
1x6	RE	6,9	94	1000	3,08	82	71
1x10	RM	8,1	138	1000	1,83	109	96
1x16	RM	9,1	205	1000	1,15	139	128
1x25	RM	10,7	305	1000	0,727	179	173
1x35	RM	11,6	395	1000	0,524	213	212
1x50	RM	12,9	525	1000	0,387	251	258
1x70	RM	14,8	755	1000	0,268	307	328
1x95	RM	16,7	995	1000	0,193	366	404
1x120	RM	18,3	1260	1000	0,153	416	471
1x150	RM	20,3	156	1000	0,124	465	541
1x185	RM	22,3	1890	1000	0,0991	526	626
1x240	RM	25	2430	1000	0,0754	610	749
1x300	RM	27,7	2995	1000	0,0601	689	864
1x400	RM	30,90	3980	1000	0,0470	788	1018
1x500	RM	34,8	4990	1000	0,0366	889	1173
1x630	RM	39,1	6050	1000	0,0283	917	1186