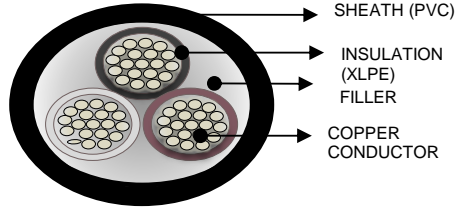




YXV - U, YXV - R / N2XY / XP 00
Three Cores / Copper Conductor / XLPE insulated / Filler / PVC Sheath
Low Voltage Energy Cable
Rated Voltage: U₀/U; 0,6 / 1 kV
Standard: TS IEC 60502-1 / IEC 60502 – 1 / HD 603 S1 / VDE 0276

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	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown,Black,Grey
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.

RE – solid round shaped conductor
 RM – multewire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approx.)	Weight of Cable (Approx.)	Length of Cable	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x1,5	RE	11,6	180	1000	12,1	30	24
3x2,5	RE	12,4	230	1000	7,41	40	32
3x4	RE	13,4	300	1000	4,61	52	42
3x6	RE	14,5	370	1000	3,08	64	53
3x10	RM	17,0	550	1000	1,83	86	73
3x16	RM	19,2	700	1000	1,15	111	96
3x25	RM	22,7	1150	1000	0,727	143	130
3x35	RM	24,6	1500	1000	0,524	173	160
3x50	RM	27,3	1950	1000	0,387	205	195
3x70	RM	31,6	2750	1000	0,268	252	247
3x95	RM	35,9	3600	1000	0,193	303	305
3x120	RM	39,6	4500	1000	0,153	346	356
3x150	RM	44,2	5600	500	0,124	390	407
3x185	RM	48,9	6900	500	0,0991	441	469
3x240	RM	54,5	8900	500	0,0754	511	551
3x300	RM	60,7	1100	250	0,0601	580	638
3x400	RM	67,9	14500	250	0,0470	663	746