



INTEKAR GLOBAL Corporation

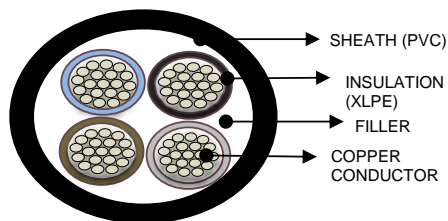
YXV - U, YXV - R / N2XY / XP 00

Multi Core / 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



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.	15 x D cable	Color of Insulation	Blue, Brow, Grey, Black
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 – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES				
Number of cores x Nominal Cross Section	Conductor Shape	Outer Diameter of Cable (Approx.)	Weight of 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
4x1,5	RE	12,3	190	1000	12,1	30	24
4x2,5	RE	13,2	240	1000	7,41	40	32
4x4	RE	14,3	340	1000	4,61	52	42
4x6	RE	15,5	460	1000	3,08	64	53
4x10	RM	18,4	640	1000	1,83	86	73
4x16	RM	20,8	910	1000	1,15	111	96
4x25	RM	24,7	1410	1000	0,727	143	130
4x35	RM	26,9	1900	1000	0,524	173	160
4x50	RM	30,1	2400	1000	0,387	205	195
4x70	RM	35,3	3400	1000	0,268	252	247
4x95	RM	39,6	4600	1000	0,193	303	305
4x120	RM	44,4	6000	500	0,153	346	356
4x150	RM	48,9	7300	500	0,124	390	407
4x185	RM	54,2	8900	500	0,0991	441	469
4x240	RM	61,0	11500	250	0,0754	511	551
4x300	RM	67,4	14200	250	0,0601	580	638
4x400	RM	74,2	18750	250	0,047	663	746