



INTEKAR GLOBAL Corporation

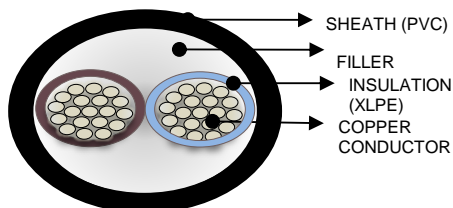
YXV - U, YXV - R, / N2XY / XP 00

Two 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



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	Brown, 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.

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 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
2x1,5	RE	11,1	150	1000	12,1	39	32
2x2,5	RE	11,9	190	1000	7,41	51	42
2x4	RE	12,8	255	1000	4,61	66	56
2x6	RE	13,8	305	1000	3,08	82	71
2x10	RM	16,2	450	1000	1,83	109	96
2x16	RM	18,2	620	1000	1,15	115	125
2x25	RM	21,4	910	1000	0,727	145	155
2x35	RM	23,2	1140	1000	0,524	175	195
2x50	RM	25,7	1470	1000	0,387	210	235
2x70	RM	29,5	2030	1000	0,268	255	300
2x95	RM	33,7	2710	1000	0,193	310	370
2x120	RM	37,2	3380	1000	0,153	355	430
2x150	RM	40,9	4100	1000	0,124	400	490
2x185	RM	45,6	5100	1000	0,0991	455	570
2x240	RM	50,9	6600	500	0,0754	530	680
2x300	RM	56,7	8250	500	0,0601	605	785
2x400	RM	63,2	10500	500	0,047	690	860