



YXV - R / N2XY / XP 00

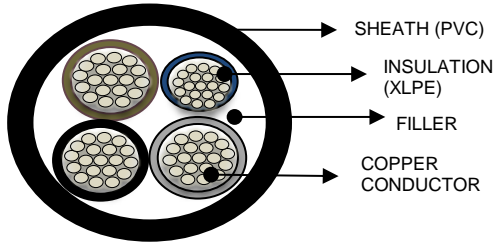
Multi Core / Copper Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: Uo/U; 0,6 / 1 kV

INTEKAR GLOBAL Corporation

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,cBlack,cGrey, 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.

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
3x16 + 10	RM	20,6	840	1000	1,15	111	96
3x25 + 16	RM	24,3	1290	1000	0,727	143	130
3x35 + 16	RM	26,5	1600	1000	0,524	173	160
3x50 + 25	RM	30,2	2100	1000	0,387	205	195
3x70 + 35	RM	35,4	3000	1000	0,268	252	247
3x95 + 50	RM	39,9	4000	1000	0,193	303	305
3x120 + 70	RM	44,6	5300	500	0,153	346	356
3x150 + 70	RM	49	6300	500	0,124	390	407
3x185 + 95	RM	54,5	7800	500	0,0991	441	469
3x240 + 120	RM	61,1	10150	500	0,0754	511	551
3x300 + 150	RM	67,4	12400	250	0,0601	580	638