



YAXV - R / NA2XY / XP 00-A

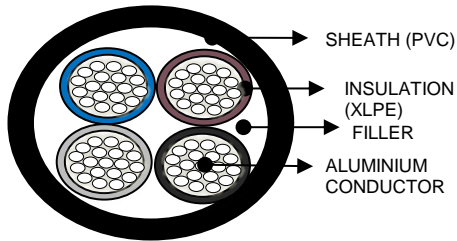
Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

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, Black, Grey, Blue
Max. Permissible Tensile	30 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. These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

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 ²	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x25	RM	24,7	810	1000	1,20	111	100
4x35	RM	26,9	950	1000	0,868	132	122
4x50	RM	30,1	1250	1000	0,641	157	147
4x70	RM	35,3	1700	1000	0,443	195	189
4x95	RM	39,6	2200	1000	0,320	233	232
4x120	RM	44,4	2800	1000	0,253	266	270
4x150	RM	48,9	3400	1000	0,206	299	308
4x185	RM	54,2	4100	1000	0,164	340	357
4x240	RM	61,0	5350	500	0,125	401	435
4x300	RM	67,4	6500	500	0,100	455	501
4x400	RM	74,2	8600	500	0,0778	526	592