



YAXV - R / NA2XY / XP 00-A

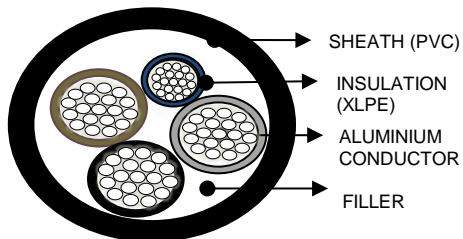
Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U₀/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
3x25 + 16	RM/RM	24,3	760	1000	1,20	111	100
3x35 + 16	RM/RM	26,5	880	1000	0,868	132	122
3x50 + 25	RM/RM	30,2	1210	1000	0,641	157	147
3x70 + 35	RM/RM	35,4	1650	1000	0,443	195	189
3x95 + 50	RM/RM	39,9	2070	1000	0,320	233	232
3x120 + 70	RM/RM	44,6	2600	1000	0,253	266	270
3x150 + 70	RM/RM	49,0	3200	1000	0,206	299	308
3x185 + 95	RM/RM	54,5	3900	1000	0,164	340	357
3x240 + 120	RM/RM	61,1	4850	500	0,125	401	435
3x300 + 150	RM/RM	67,4	5950	500	0,100	455	501