



YAXV / NA2XY / XP 00-A

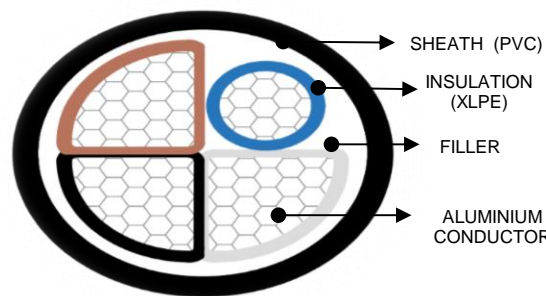
Multi Core / Aluminum Conductor / XLPE insulated / Filler / PVC Sheath

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.

SM – multiwire sector shaped conductor

RM – multiwire round shaped conductor

DIMENSIONS AND WEIGHTS			ELECTRICAL PROPERTIES			
Number of cores x Nominal Cross Section	Conductor Shape	Diameter of Cable (Approximately)	Length of Cable (Approximately)	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
					Under Ground 20 °C	In Air 30 °C
No x mm ²	-	mm	m	ohm/km		
3x50+25	SM/RM	22,8	1000	0,641	157	147
3x70+35	SM/RM	26,2	1000	0,443	195	189
3x95+50	SM/RM	30,0	1000	0,320	233	232
3x120+70	SM/RM	33,4	1000	0,253	266	270
3x150+70	SM/RM	37,2	1000	0,206	299	308
3x185+95	SM/RM	41,6	1000	0,164	340	357
3x240+120	SM/RM	47,0	500	0,125	401	435
3x300+150	SM/RM	51,8	500	0,100	455	501