



INTEKAR GLOBAL Corporation

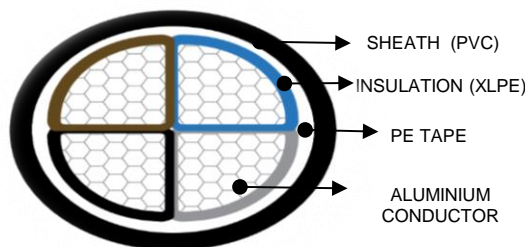
YAXV / NA2XY / XP 00-A

Multi Core / Aluminum Conductor / XLPE insulated / PE Tape / 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 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

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)	
No x mm ²	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x50	SM	23,8	1000	0,641	157	147
4x70	SM	27,4	1000	0,443	195	189
4x95	SM	31,0	1000	0,320	233	232
4x120	SM	34,4	1000	0,253	266	270
4x150	SM	38,4	1000	0,206	299	308
4x185	SM	42,8	1000	0,164	340	357
4x240	SM	48,2	500	0,125	401	435
4x300	SM	53,0	500	0,100	455	501
4x400	SM	61,2	500	0,0778	526	592