



**YAVV / NAYY / PP 00-A**

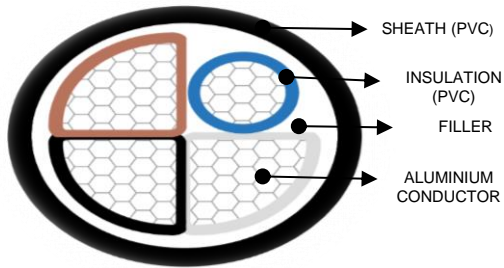
**Multi Core / Aluminum Conductor / PVC insulated / Filler / PVC Sheath**

**Low Voltage Energy Cable**

**Rated Voltage: U<sub>0</sub>/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.	70°C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	160°C / 5 sec.	Insulation	PVC IEC 60502-1
Bending Radius, min.	15 x D cable	Color of Insulation	Brown, Black, Grey, Blue
Max. Permissible Tensile	30 N / mm <sup>2</sup>	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 PVC are designed for distribution and supply of consumers with nominal voltage 0,6/1 kV and frequency 50 Hz in industrial installation and urban networks. It is used in power centers, switchgear, as distribution cables, places where the risk of mechanical damage is high, outdoors, indoors, underground or used in cable 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	Cable Diameter (Approximately)	Length of Cable	Conductor DC Resistance at 20 °C	Rated current carrying capacity (A)	
No x mm <sup>2</sup>	-	mm	m	ohm/km	Under Ground 20 °C	In Air 30 °C
3x50 + 25	SM/RM	24,4	1000	0,641	142	124
3x70 + 35	SM/RM	27,4	1000	0,443	176	158
3x95 + 50	SM/RM	32,0	1000	0,320	211	160
3x120 + 70	SM/RM	35,0	1000	0,253	242	220
3x150 + 70	SM/RM	38,8	1000	0,206	270	252
3x185 + 95	SM/RM	43,2	500	0,164	308	289
3x240 + 120	SM/RM	49,0	500	0,125	363	339
3x300 + 150	SM/RM	54,2	500	0,100	412	377