



YAVV-R / NAYY / PP 00-A

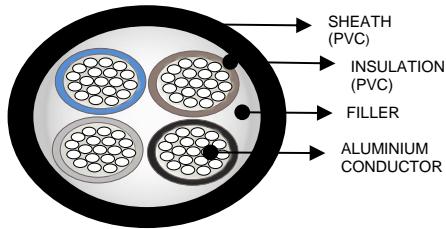
Multi Cores / Aluminum Conductor / PVC insulated / Filler / PVC Sheath

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.	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 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 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.

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
4x16	RM	22,3	600	1000	1,91	70	65
4x25	RM	26,2	950	1000	1,20	99	83
4x35	RM	28,3	1130	1000	0,868	118	102
4x50	RM	32,5	1550	1000	0,641	142	124
4x70	RM	37,0	2000	1000	0,443	176	158
4x95	RM	42,3	2600	1000	0,320	211	160
4x120	RM	46,4	3100	1000	0,253	242	220
4x150	RM	51,0	3900	1000	0,206	270	252
4x185	RM	56,8	4800	500	0,164	308	289
4x240	RM	63,6	6000	500	0,125	363	339
4x300	RM	70,5	7400	500	0,100	412	377
4x400	RM	78,9	9600	500	0,0778	475	444