



YAVV-R / NAYY / PP 00-A

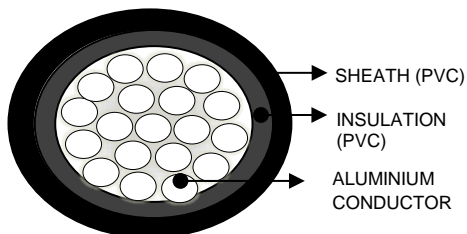
One Core / Aluminum Conductor / PVC insulated / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: Uo/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.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	30 N/mm ²	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	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
1x16	RM	9,7	120	1000	1,91	80	75
1x25	RM	11,3	150	1000	1,20	125	87
1x35	RM	12,2	190	1000	0,868	151	131
1x50	RM	13,7	270	1000	0,641	179	160
1x70	RM	15,4	330	1000	0,443	218	202
1x95	RM	17,7	430	1000	0,320	261	249
1x120	RM	19,1	530	1000	0,253	297	291
1x150	RM	21,1	680	1000	0,206	332	333
1x185	RM	23,3	780	1000	0,164	376	384
1x240	RM	26,2	1000	1000	0,125	437	460
1x300	RM	29,1	1290	1000	0,100	494	530
1x400	RM	32,3	1650	1000	0,0778	572	642