



YVV-U, YVV- R / NYY / PP 00

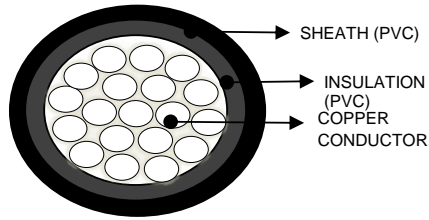
One Core / Copper Conductor / PVC insulated / PVC Sheath

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	50 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 and industrial facilities, as the power cable in the distribution, in places where the risk of mechanical damage is high (outside, inside), underground and cable used in channels.

RE – solid round shaped conductor

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
1x1.5	RE	5,8	50	1000	12,1	-	25
1x2.5	RE	6,1	60	1000	7,41	-	34
1x4	RE	7,0	85	1000	4,61	-	45
1x6	RE	7,5	105	1000	3,08	-	57
1x10	RM	8,7	155	1000	1,83	-	78
1x16	RM	9,7	210	1000	1,15	127	103
1x25	RM	11,3	310	1000	0,727	163	137
1x35	RM	12,2	420	1000	0,524	195	169
1x50	RM	13,7	560	1000	0,387	230	206
1x70	RM	15,4	780	1000	0,268	282	261
1x95	RM	17,7	1040	1000	0,193	336	321
1x120	RM	19,1	1300	1000	0,153	382	374
1x150	RM	21,1	1600	1000	0,124	428	428
1x185	RM	23,3	1900	1000	0,0991	483	494
1x240	RM	26,2	2450	1000	0,0754	561	590
1x300	RM	29,1	3000	1000	0,0601	632	678
1x400	RM	32,3	4000	1000	0,0470	730	817
1x500	RM	36,2	5000	1000	0,0366	823	940
1x630	RM	39,9	6150	500	0,0283	866	1100