



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

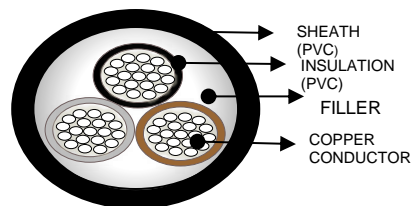
Three Cores / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: U_o/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
Max. Permissible Tensile	50 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 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
3x1.5	RE	12,0	220	1000	12,1	26	18,5
3x2.5	RE	12,8	250	1000	7,41	34	25
3x4	RE	14,7	360	1000	4,61	44	34
3x6	RE	15,8	430	1000	3,08	56	43
3x10	RM	18,3	640	1000	1,83	75	60
3x16	RM	20,5	850	1000	1,15	98	80
3x25	RM	24,0	1250	1000	0,727	128	106
3x35	RM	25,9	1600	1000	0,524	157	131
3x50	RM	29	2100	1000	0,387	185	159
3x70	RM	33,5	2900	1000	0,268	228	202
3x95	RM	38,2	3900	1000	0,193	275	244
3x120	RM	41,6	4750	1000	0,153	313	282
3x150	RM	46,0	5900	500	0,124	353	324
3x185	RM	50,8	7250	500	0,0991	399	371
3x240	RM	57,3	9250	500	0,0754	464	436
3x300	RM	63,5	11500	250	0,0601	524	481
3x400	RM	70,5	15300	250	0,0470	600	560