



INTEKAR GLOBAL Corporation

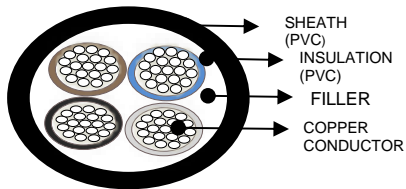
YVV-U, YVV- R / NYY / PP 00

Multi Core / Copper Conductor / PVC insulated / Filler / PVC Sheath

Low Voltage Energy Cable

Rated Voltage: Uo/U; 0,6 / 1 kV

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	50 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 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 <sup>2</sup>	–	mm	kg/km	m	ohm/km	Under Ground 20 °C	In Air 30 °C
4x1,5	RE	12,8	250	1000	12,1	26	18,5
4x2,5	RE	13,7	290	1000	7,41	34	25
4x4	RE	15,8	420	1000	4,61	44	34
4x6	RE	17,0	530	1000	3,08	56	43
4x10	RM	19,9	700	1000	1,83	75	60
4x16	RM	22,3	1060	1000	1,15	98	80
4x25	RM	26,2	1550	1000	0,727	128	106
4x35	RM	28,3	2000	1000	0,524	157	131
4x50	RM	32,5	2700	1000	0,387	185	159
4x70	RM	37	3700	1000	0,268	228	202
4x95	RM	42,3	5000	1000	0,193	275	244
4x120	RM	46,4	6200	500	0,153	313	282
4x150	RM	51	7600	500	0,124	353	324
4x185	RM	56,8	9450	500	0,0991	399	371
4x240	RM	63,6	12000	500	0,0754	464	436
4x300	RM	70,5	15000	250	0,0601	524	481
4x400	RM	78,9	19500	250	0,0470	600	560