



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

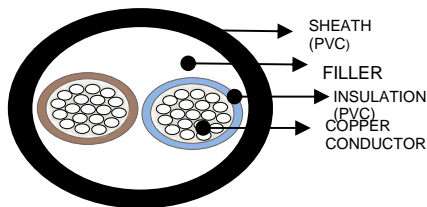
**Two Cores / Copper Conductor / PVC insulated / Filler / PVC Sheath**

**Low Voltage Energy Cable**

**Rated Voltage: U<sub>0</sub>/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, 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
2x1.5	RE	11,5	170	1000	12,1	32	20
2x2.5	RE	12,3	220	1000	7,41	42	27
2x4	RE	14,0	320	1000	4,61	54	37
2x6	RE	15,0	370	1000	3,08	68	48
2x10	RM	17,4	550	1000	1,83	90	66
2x16	RM	19,4	680	1000	1,15	116	89
2x25	RM	22,6	1000	1000	0,727	150	118
2x35	RM	24,4	1250	1000	0,524	181	145
2x50	RM	27,3	1650	1000	0,387	215	176
2x70	RM	30,9	2200	1000	0,268	264	224
2x95	RM	35,7	2950	1000	0,193	317	271
2x120	RM	38,8	3600	1000	0,153	360	314
2x150	RM	42,5	4300	1000	0,124	406	361
2x185	RM	47,4	5500	500	0,0991	458	412
2x240	RM	53,1	7000	500	0,0754	537	484
2x300	RM	59,1	8700	500	0,0601	604	556