



SHEATH  
(PVC)  
INSULATION  
(PVC)  
FILLER  
COPPER  
CONDUCTOR

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.

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
3x16 + 10	RM/RM	22,0	980	1000	1,15	98	80
3x25 + 16	RM/RM	25,8	1500	1000	0,727	128	106
3x35 + 16	RM/RM	28,0	1800	1000	0,524	157	131
3x50 + 25	RM/RM	32,2	2420	1000	0,387	185	159
3x70 + 35	RM/RM	37,0	3400	1000	0,268	228	202
3x95 + 50	RM/RM	42,4	4400	1000	0,193	275	244
3x120 + 70	RM/RM	47	5500	500	0,153	313	282
3x150 + 70	RM/RM	51,0	6500	500	0,124	353	324
3x185 + 95	RM/RM	56,7	8300	500	0,0991	399	371
3x240 + 120	RM/RM	63,6	10500	500	0,0754	464	436
3x300 + 150	RM/RM	70,3	13300	250	0,0601	524	481