



→ SHEATH (PVC)  
→ INSULATION (XLPE)  
→ ALUMINIUM CONDUCTOR

Technical Data		Cable Structure	
Core temperature, max.	90°C in Operation	Conductor	IEC 60228 Class 2
Max. Short Circuit Temperature	250°C / 5 sec.	Insulation	XLPE IEC 60502-1
Bending Radius, min.	12 x D cable	Color of Insulation	Black or Blue
Max. Permissible Tensile	30 N/ mm <sup>2</sup>	Sheath	PVC IEC 60502-1
Rated current carrying capacity	Flat Formation	Color of Sheath	Black

### Application

These cables are characterized by very low dielectric losses; are used in energy centers, distribution and industrial facilities, local power transmission, where there is high risk of mechanical damage such as the power cable in the distribution (internal, external), is placed underground or in ducts.

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
1x25	RM	10,7	140	1000	1,200	150	135
1x35	RM	11,6	170	1000	0,868	164	163
1x50	RM	12,9	240	1000	0,641	195	200
1x70	RM	14,8	310	1000	0,443	238	254
1x95	RM	16,7	410	1000	0,320	284	313
1x120	RM	18,3	490	1000	0,253	323	366
1x150	RM	20,3	580	1000	0,206	361	420
1x185	RM	22,3	730	1000	0,164	408	486
1x240	RM	25,0	930	1000	0,125	476	585
1x300	RM	27,7	1140	1000	0,100	537	675
1x400	RM	30,9	1500	1000	0,0778	616	798
1x500	RM	34,8	1750	1000	0,0605	699	926