

**METAL CABLE CO.**  
**DATA SHEET**

No.: MC – 16958

Date : 93.05.11

Low voltage power cable

Acc. IEC 60502 (or ISIRI 3569-1) , (0.6/1)1.2 KV , frequency : 50 Hz

Copper conductor/ XLPE insulated/ PVC bedding/ aluminum wire armour/ PVC outer sheath  
CU/XLPE/PVC/AWA/PVC

R	<i>SPECIFICATION</i>	
1	Cable size	1x35 mm <sup>2</sup>
2	Conductor	material Plain annealed copper
		Class 2 , round
		construction 7x2.52 mm
3	Insulation	material XLPE
		operation temp. 90°C
		thickness 0.9 mm
		colour Black
4	Bedding	material PVC
		operation temp. 90°C
		thickness 1.2 mm
		colour Black
5	Armour	material Aluminum
		type Wire Armour ( AWA )
		diameter 1.2 mm
6	Outer jacket	material PVC
		operation temp. 90°C
		thickness 1.9 mm
		colour Black
7	Overall diameter approx.	17.8 mm
8	Max. dc conductor resistance at 20°C	0.524 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 20°C	0.671 Ω/km
10	Min. Insulation resistance at 90 °C	0.340 MΩ . km
11	Short circuit current	5.0 kA at 1 second
12	High voltage test	3.5 kv ac or 8.4 kv dc for 5 min
13	Working temperature	-25 ___ +90 °C
14	Min. bending radius	6 x D (Overall diameter)
15	Flame retardant test	Acc. IEC 60332-1
16	Cable length (per drum)	1000 M
17	Cable weight approx.	630 kg/km

Marking : METAL CABLE CO. IEC 60502 N2XRY 1x35 SQMM 0.6/1 KV MADE IN IRAN 1393

*Technical approval*