

METAL CABLE CO.

DATA SHEET

No.: MC - 001

Date :1400.11.18

Low voltage power cable

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

Copper conductor/ XLPE insulated/ PVC bedding/ Aluminium wire armour/ PVC outer sheath

Cable code : (CU/XLPE/PVC/AWA/PVC) N2XRY

R	SPECIFICATION		
1	Cable size		1x16 mm ²
2	Conductor	material	Plain annealed stranded copper
		Class	2 , round
		construction	7x1.70 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	0.7 mm
		colour	Black
4	Bedding	material	PVC
		operation temp.	80°C
		thickness	1.2 mm
		colour	Black
5	Armour	material	Aluminum
		type	Wire armour (AWA)
		diameter	1.25 mm
6	Outer jacket	material	PVC
		operation temp.	80°C
		thickness	1.8 mm
		colour	Red
7	Overall diameter approx.		15.0 mm
8	Max. dc conductor resistance at 20°C		1.15 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 90°C		1.47 Ω/km
10	Min. Insulation resistance at 90 °C		0.386 MΩ . km
11	Short circuit current		2.29 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		8 x D (Overall diameter)
15	Flame retardant test		Acc. IEC 60332-1
16	cable length (per drum)		PER REQUEST
17	Cable weight approx.		380 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY 1x16 SQMM 0.6/1 KV MADE IN IRAN 1400 length

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Sales Engineering Dept.