

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

No.: MC – 21235

Date : 96.07.17

Low voltage armoured cable      Acc. IEC 60502-1 , ( ISIRI 3569-1 ) , (0.6/1.0)1.2 kv , frequency : 50 Hz

Copper conductor/ XLPE insulated/ pvc bedding/ steel wire armour/ pvc outer sheath

Cable code : N2XRY

R	<i>SPECIFICATION</i>		
1	Cable size		4x10 mm <sup>2</sup>
2	Conductor	material	Plain annealed copper
		Class	2 , round
		construction	7x1.35 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	0.7 mm
		colour	Red , yellow , black , blue
4	Bedding	material	PVC
		operation temp.	80°C
		thickness	1.2 mm
		colour	Black
5	Armour	material	Steel
		type	wire armour (SWA )
		diameter	1.6 mm
6	Outer jacket	material	PVC
		operation temp.	80°C
		thickness	1.8 mm
		colour	Black
7	Overall diameter approx.		22.4 mm
8	Max. dc conductor resistance at 20°C		1.83 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 90°C		2.33 Ω/km
10	Min. Insulation resistance at 90 °C		0.473 MΩ . km
11	Short circuit current		1.43 kA at 1 second
12	High voltage test		3.5 kvac or 8.4 kvdc for 5 min
13	Working temperature		-30 ___ +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.		1160 kg/km

Marking : METAL CABLE CO. IEC 60502 N2XRY 4x10 SQMM 0.6/1 KV MADE IN IRAN 1396

*Technical approval*