

# METAL CABLE CO.

## DATA SHEET

No.: MC – 21236

Date : 96.07.17

Low voltage power 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	3x4 mm <sup>2</sup>
2	Conductor	material Plain annealed copper
		Class 2 , round
		construction 7x0.85 mm
3	Insulation	material XLPE
		operation temp. 90°C
		thickness 0.7 mm
		colour Red , yellow , blue
4	Bedding	material PVC
		operation temp. 80°C
		thickness 1.2 mm
		colour Black
5	Armour	material Steel
		type Wire armour ( SWA )
		diameter 1.2 mm
6	Outer jacket	material PVC
		operation temp. 80°C
		thickness 1.8 mm
		colour Black
7	Overall diameter approx.	17.0 mm
8	Max. dc conductor resistance at 20°C	4.61 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 90°C	5.88 Ω/km
10	Min. Insulation resistance at 90 °C	0.698 MΩ . km
11	Short circuit current	0.571 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	As per IEC 60332-1
16	Cable length (per drum)	1000 M
17	Cable weight approx.	620 kg/km

Marking : METAL CABLE CO. IEC 60502 N2XRY 3x4 SQMM 0.6/1 KV MADE IN IRAN 1396

*Technical approval*