

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

No.: MC – 21466

Date : 94.10.27

Low voltage power cable

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

Copper conductor/ XLPE insulated/ PVC bedding/ galvanized steel wire armour/ PVC outer sheath  
**CU/XLPE/PVC/GSWA/PVC (N2XRY-O)**

R	<i>SPECIFICATION</i>	
1	Cable size	3x2.5 mm <sup>2</sup>
2	Conductor	material Plain annealed copper
		Class 2 , round
		construction 7x0.67 mm
3	Insulation	material XLPE
		operation temp. 90°C
		thickness 0.8 mm
		colour <b>Red , yellow , blue</b>
4	Bedding	material PVC
		operation temp. 90°C
		thickness 1.2 mm
		colour Black
5	Armour	material Galvanized steel
		type Wire armour ( GSWA )
		diameter 0.9 mm
6	Outer jacket	material PVC
		operation temp. 90°C
		thickness 1.8 mm
		colour <b>Black</b>
7	Overall diameter approx.	15.3 mm
8	Max. dc conductor resistance at 20°C	7.41 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 20°C	7.63 Ω/km
10	Min. Insulation resistance at 90 °C	8.89 Ω/km
11	Short circuit current	0.009 MΩ . km
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	As per IEC 60332-1
16	Max cable length (per drum)	2000 M
17	Cable weight approx.	480 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-O 3x2.5 SQMM 0.6/1 KV MADE IN IRAN 1394

*Technical approval*