

METAL CABLE CO.
DATA SHEET

No.: MC – 21467

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	3x240+120 mm ²
2	Conductor	material Plain annealed copper
		Class 2 , sector
		construction 37x2.93 , 37x2.08 mm
3	Insulation	material XLPE
		operation temp. 90°C
		thickness 1.7 , 1.2 mm
		colour Red , yellow , black , N:blue
4	Bedding	material PVC
		operation temp. 90°C
		thickness 1.2 mm
		colour Black
5	Armour	material Galvanized steel
		type Wire Armour (GSWA)
		diameter 2.5 mm
6	Outer jacket	material PVC
		operation temp. 90°C
		thickness 2.8 mm
		colour Black
7	Overall diameter approx.	58.5 mm
8	Max. dc conductor resistance at 20°C	0.0754 , 0.153 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 20°C	0.0965 , 0.196 Ω/km
10	Min. Insulation resistance at 90 °C	0.240 , 0.250 MΩ . km
11	Short circuit current	34.29 kA at 1 second
12	High voltage test	3.5 kvac or 8.4 kvdc 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	Max cable length (per drum)	500 M
17	Cable weight approx.	11470 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-O 3x240+120 SQMM 0.6/1 KV MADE IN IRAN 1394

Technical approval