

METAL CABLE CO.
DATA SHEET

No.: MC – 24522

Date : 95.10.19

Low voltage power cable

Acc. IEC 60502-1(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/BD/GSWA/PVC: N2XRY-O

R	<i>SPECIFICATION</i>		
1	Cable size	3x4 mm ²	
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	green , yellow , black , blue
4	Bedding	material	PVC
		operation temp.	90°C
		thickness	1.8 mm
		colour	Black
5	Armour	material	Galvanized steel
		type	Wire armour (GSWA)
		diameter	1.2 mm
6	Outer jacket	material	PVC
		operation temp.	90°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	5.90 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	-25 ___ +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)	2000 M	
17	Cable weight approx.	620 kg/km	
Marking : METAL CABLE CO. IEC 60502 N2XRY-O 3x4 SQMM 0.6/1 KV MADE IN IRAN 1395			

Technical approval