

METAL CABLE CO.
DATA SHEET

No.: MC – 21415

Date : 94.10.22

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-J)

R	<i>SPECIFICATION</i>	
1	Cable size	12x2.5 mm ²
2	Conductor	material Plain annealed copper
		Class 2 , round
		construction 7x0.67 mm
3	Insulation	material XLPE
		operation temp. 90°C
		thickness 0.7 mm
		colour Black with white numbered + one core yellow/green
4	Bedding	material PVC
		operation temp. 90°C
		thickness 1.2 mm
		colour Black
5	Armour	material Galvanized steel
		type Wire armour (GSWA)
		diameter 1.6 mm
6	Outer jacket	material PVC
		operation temp. 90°C
		thickness 1.8 mm
		colour Black
7	Overall diameter approx.	23.8 mm
8	Max. dc conductor resistance at 20°C	7.41 /km acc. IEC 60228
9	Max. ac conductor resistance at 20°C	9.49 /km
10	Min. Insulation resistance at 90 °C	0.841 M . km
11	Short circuit current	0.357 kA at 1 second
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.	1210 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-J 12x2.5 SQMM 0.6/1 KV MADE IN IRAN 1394

Technical approval