

METAL CABLE CO.

DATA SHEET

No.: MC – 22230

Date : 95.02.20

Low voltage power cable

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

Copper conductor/ XLPE insulated/ PVC bedding/ aluminum wire armour/ PVC outer sheath
CU/XLPE/BD/AWA/PVC (N2XRY-O)

R	SPECIFICATION		
1	Cable size	1x50 mm ²	
2	Conductor	material	Plain annealed stranded copper
		Class	2 , compacted round
		construction	19x1.83 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	1.0 mm
		colour	Black
4	Bedding	material	PVC
		operation temp.	90°C
		thickness	1.0 mm
		colour	Black
5	Armour	material	Aluminum
		type	Wire Armour (AWA)
		diameter	1.2 mm
6	Outer jacket	material	PVC
		operation temp.	90°C
		thickness	1.8 mm
		colour	Black
7	Overall diameter approx.	18.9 mm	
8	Max. dc conductor resistance at 20°C	0.387 Ω/km acc. IEC 60228	
9	Max. ac conductor resistance at 20°C	0.495 Ω/km	
10	Min. Insulation resistance at 90 °C	0.323 MΩ . km	
11	Short circuit current	7.15 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)	2000 M	
17	Cable weight approx.	770 kg/km	

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-O 1x50 SQMM 0.6/1 kv MADE IN IRAN 1395 length

Technical approval