

METAL CABLE CO.

DATA SHEET

No.: MC - 001

Date : 1400.09.16

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/ galvanized steel wire armour/ PVC outer sheath
CU/XLPE/BD/GSWA/PVC
Cable Code:N2XRY

R	SPECIFICATION		
1	Cable size	3x95+50 mm ²	
2	Conductor	material	Plain annealed stranded copper
		Class	2, sector
		construction	19x2.57, 19x1.81 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	1.1, 1.0 mm
		colour	Red, Yellow, Black, Blue (N)
4	Bedding	material	PVC
		operation temp.	80°C
		thickness	1.2 mm
		colour	Black
5	Armour	Material	Galvanized steel
		type	wire armour (GSWA)
		diameter	2.0 mm
6	Outer jacket	material	Flame Retardant Extruded PVC
		operation temp.	80°C
		thickness	2.3 mm
		colour	Black
7	Overall diameter approx.	40.7 mm	
8	Max. dc conductor resistance at 20°C	0.193, 0.387 Ω/km acc. IEC 60228	
9	Max. ac conductor resistance at 90°C	0.247, 0.495 Ω/km	
10	Min. Insulation resistance at 90 °C	0.260, 0.323 MΩ.km	
11	Short circuit current	13.57 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	cable cutting (per drum)	Per Request	
17	Cable weight approx.	4930 kg/km	

Marking : METAL CABLE CO. IEC 60502-1 N2XRY 3x95+50 SQMM 0.6/1.0 kv MADE IN IRAN 1400 length

METAL CABLE CO.
 Sales Engineering Dept
Technical approval
 1007