

# METAL CABLE CO.

## DATA SHEET

No : MC – 23821

Date : 95.08.11

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 (N2XRY-O)

R	SPECIFICATION		
1	Cable size		3x4 mm <sup>2</sup>
2	Conductor	material	Plain annealed stranded copper
		Class	2 , round
		construction	7x0.85 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	0.7 mm
		colour	<b>Red , Yellow , Blue</b>
4	Bedding	material	PVC
		operation temp.	90°C
		thickness	1.0 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	<b>Black</b>
9	Overall diameter approx.		17.0 mm
10	Max. dc conductor resistance at 20°C		4.61 Ω/km acc. IEC 60228
11	Max. ac conductor resistance at 20°C		5.90 Ω/km
12	Min. Insulation resistance at 90 °C		0.698 MΩ . km
13	Short circuit current		0.571 kA at 1 second
14	High voltage test		3.5 kvac or 8.4 kvdc for 5 min
15	Working temperature		-25 ___ +90 °c
16	Min. bending radius		6 x D (Overall diameter)
17	Flame retardant test		Acc. IEC 60332-1
18	Max cable length (per drum)		2500 M
19	Cable weight approx.		620 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-O 3x4 SQMM 0.6/1 kv MADE IN IRAN 1395 length

*Technical approval*