

# METAL CABLE CO.

## DATA SHEET

No : MC – 21020

Date : 94.09.18

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		3x2.5 mm <sup>2</sup>
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	<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	0.9 mm
6	Outer jacket	material	PVC
		operation temp.	90°C
		thickness	1.8 mm
		colour	<b>Black</b>
7	Overall diameter approx.		15.1 mm
8	Max. dc conductor resistance at 20°C		7.41 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 20°C		9.49 Ω/km
10	Min. Insulation resistance at 90 °C		0.841 MΩ . km
11	Short circuit current		0.357 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.		450 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-O 3x2.5 SQMM 0.6/1 kv MADE IN IRAN 1394

*Technical approval*