

# METAL CABLE CO.

## DATA SHEET

No : MC – 23886

Date : 95.08.12

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 filler/ galvanized steel wire armour/ PVC outer sheath  
CU/XLPE/BD/GSWA/PVC (N2XRY-O)

R	SPECIFICATION		
1	Cable size	3x70+35 mm <sup>2</sup>	
2	Conductor	material	Plain annealed stranded copper
		Class	2 , sector
		construction	19x2.22 , 7x2.52 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	1.1 , 0.9 mm
		colour	<b>Red , Yellow , Black , N: Blue</b>
4	Filler - bedding	material	PVC
		operation temp.	90°C
		thickness	1.2 mm
		colour	Black
5	Armour	material	Galvanized steel
		type	Round wire armour ( GSWA )
		diameter	2.0 mm
6	Outer jacket	material	PVC
		operation temp.	90°C
		thickness	2.1 mm
		colour	<b>Black</b>
7	Overall diameter approx.	36.5 mm	
8	Max. dc conductor resistance at 20°C	0.268 , 0.524 Ω/km acc. IEC 60228	
9	Max. ac conductor resistance at 20°C	0.343 , 0.671 Ω/km	
10	Min. Insulation resistance at 90 °C	0.294 , 0.340 MΩ . km	
11	Short circuit current	10.0 kA at 1 second	
12	High voltage test	3.5 kvac or 8.4 kvdc for 5 min	
13	Working temperature	-30 ___ +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)	1000 M	
17	Cable weight approx.	3930 kg/km	

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-O 3x70+35 SQMM 0.6/1 kv MADE IN IRAN 1395 length

*Technical approval*