

METAL CABLE CO.

DATA SHEET

No : MC – 23141

Date : 95.06.07

Low voltage power cable

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

Copper conductor/ PVC insulated/ PVC bedding/ galvanized steel wire armour/ PVC outer sheath
CU/PVC/BD/GSWA/PVC (NYRY-O)

R	SPECIFICATION		
1	Cable size	3x70+35 mm ²	
2	Conductor	material	Plain annealed stranded copper
		Class	2 , sector
		construction	19x2.22 , 7x2.52 mm
3	Insulation	material	PVC
		operation temp.	70°C
		thickness	1.4 , 1.2 mm
		colour	Red , yellow , black , N: blue
4	Bedding	material	PVC
		operation temp.	80°C
		thickness	1.3 mm
		colour	Black
5	Armour	material	Galvanized steel
		type	Wire armour (GSWA)
		diameter	2.0 mm
6	Outer jacket	material	PVC
		operation temp.	80°C
		thickness	2.1 mm
		colour	Black
7	Overall diameter approx.	38.5 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	0.322 , 0.629 Ω/km	
10	Min. Insulation resistance at 70 °C	0.004 , 0.004 MΩ . km	
11	Short circuit current	7.53 kA at 1 second	
12	High voltage test	3.5 kv ac or 8.4 kv dc for 5 min	
13	Working temperature	-25 ___ +80 °C	
14	Min. bending radius	6 x D (Overall diameter)	
15	Flame retardant test	As per IEC 60332-1	
16	Max cable length (per drum)	1500 M	
17	Cable weight approx.	4190 kg/km	

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

Technical approval