

METAL CABLE CO.

DATA SHEET

No : MC – 25546

Date : 96.02.09

Low voltage power cable

Acc. IEC 60502-1 (or 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(2)/PVC/BD/GSWA/PVC (NYRY-O)

R	SPECIFICATION		
1	Cable size		4x120 mm ²
2	Conductor	material	Plain annealed stranded copper
		Class	2 , sector
		construction	37x2.08 mm
3	Insulation	material	PVC
		operation temp.	70°C
		thickness	1.6 mm
		colour	Red , Yellow , Black , Blue
4	Bedding	material	PVC
		operation temp.	80°C
		thickness	1.4 mm
		colour	Black
5	Armour	material	Galvanized steel
		type	Wire Armour (GSWA)
		diameter	2.5 mm
6	Outer jacket	material	UV Resistance & Flame Retardant Extruded PVC
		operation temp.	80°C
		thickness	2.6 mm
		colour	Black
7	Overall diameter approx.		49.2 mm
8	Max. dc conductor resistance at 20°C		0.153 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 20°C		0.184 Ω/km
10	Min. Insulation resistance at 70 °C		0.003 MΩ . km
11	Short circuit current		12.90 kA at 1 second
12	High voltage test		3.5 kvac or 8.4 kvdc for 5 min
13	Working temperature		-25 ___ +80 °C
14	Min. bending radius		6 x D (Overall diameter)
15	Flame retardant test		Acc. IEC 60332-1
16	UV Resistance test		Acc. UL 1581 section 1200-300h
17	Max cable length (per drum)		500 M
18	Cable weight approx.		7050 kg/km

Marking : METAL CABLE CO. IEC 60502-1 NYRY-O 4x120 SQMM 0.6/1 kv MADE IN IRAN 1396 length

Technical approval