

METAL CABLE CO.

DATA SHEET

No.: MC – 23509

Date : 95.07.10

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-J)

R	SPECIFICATION		
1	Cable size		5x10 mm ²
2	Conductor	material	Plain annealed stranded copper
		Class	2 , round
		construction	7x1.35 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	0.7 mm
		colour	Red , Yellow , Blue , Black , Yellow/Green
4	Bedding	material	PVC
		operation temp.	90°C
		thickness	1.2 mm
		colour	Black
5	Armour	Material	Galvanized steel
		type	wire armour (GSWA)
		diameter	1.6 mm
6	Outer jacket	material	PVC
		operation temp.	90°C
		thickness	1.8 mm
		colour	Black
7	Overall diameter approx.		24.5 mm
8	Max. dc conductor resistance at 20°C		1.83 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 20°C		2.34 Ω/km
10	Min. Insulation resistance at 90 °C		0.473 MΩ . km
11	Short circuit current		1.43 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)		2000 M
17	Cable weight approx.		1450 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-J 5x10 SQMM 0.6/1 kv MADE IN IRAN 1395 length

Technical approval