

METAL CABLE CO.
DATA SHEET

No.: MC – 17906

Date : 93.09.15

Low voltage power cable

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

Copper conductor/ XLPE insulated/ PVC bedding/ galvanized steel wire armour/ PVC outer sheath
CU/XLPE/BD/GSWA/PVC

R	<i>SPECIFICATION</i>		
1	Cable size		3x50+25 mm ²
2	Conductor	material	Plain annealed copper
		Class	2 , sector
		construction	19x1.83 , 7x2.14 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	1.0 , 0.9 mm
		colour	Red , yellow, black , N: blue
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	2.0 mm
		colour	Black
7	Overall diameter approx.		32.4 mm
8	Max. dc conductor resistance at 20°C		0.387 , 0.727 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 20°C		0.495 , 0.931 Ω/km
10	Min. Insulation resistance at 90 °C		0.323 , 0.393 MΩ . km
11	Short circuit current		7.143 kA at 1 second
12	High voltage test		3.5 kv ac or 8.4 kv dc for 5 min
13	Working temperature		-25 ___+90 °C
14	Min. bending radius		6 x D (Overall diameter)
15	Flame retardant test		As per IEC 60332-1
16	Cable length (per drum)		1000 M
17	Cable weight approx.		2820 kg/km
Marking : METAL CABLE CO. IEC 60502 N2XRY 3x50+25 SQMM 0.6/1 KV MADE IN IRAN 1393			

Technical approval