

**METAL CABLE CO.
DATA SHEET**

No.: MC – 0201

Date : 02.10.12

Low voltage power cable

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

Copper conductor/ XLPE insulated/ PVC bedding/ Galvanized steel wire armor/ PVC outer sheath
Cable code: CU/XLPE/PVC/GSWA/PVC (N2XRY)

R	SPECIFICATION		
1	Cable size		2x10 mm ²
2	Conductor	material	Plain annealed stranded copper
		Class	2 , round
		construction	7 x 1.34 mm
3	Insulation	material	XLPE
		Operation temp.	90°C
		thickness	0.7 mm
		Color	Blue , black
4	Bedding	material	PVC
		Operation temp.	80°C
		thickness	1.2 mm
		Color	Black
5	Armor	material	Galvanized Steel
		type	Wire Armor (GSWA)
		diameter	1.25 mm
6	Outer sheath	material	PVC
		Operation temp.	80°C
		thickness	1.8 mm
		Color	Black
7	Overall diameter approx.		19.3 mm
8	Max. dc conductor resistance at 20°C		1.83 Ω/km Acc. INSO 3084 or IEC 60228
9	Max. ac conductor resistance at 90°C		2.34 Ω/km
10	Min. Insulation resistance at 90°C		0.4725 MΩ .km
11	Short circuit current		1.43 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		15 x D (Overall diameter)
15	Flame retardant test		Acc. IEC 60332-1
16	Cable length (per drum)		Per request
17	Cable weight approx.		839 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY 2x10 SQMM 0.6/1 kv 1402 length

Technical approval