

**METAL CABLE CO.**  
**DATA SHEET**

No.: MC - 003	Date : 1400.09.27
Low voltage armoured cable Acc. IEC 60502-1 , ( INSO 3569-1) , (0.6/1)1.2 kv , frequency : 50 Hz	
Copper conductor/ XLPE insulated/ PVC bedding/ galvanized steel wire armour/ PVC outer sheath	
Cable code : CU/XLPE/BD/GSWA/PVC (N2XRY)	

R	SPECIFICATION		
1	Cable size		3x16 mm <sup>2</sup>
2	Conductor	material	Plain annealed copper
		Class	2 , round
		construction	7x1.70 mm
3	Insulation	material	XLPE
		operation temp.	90°C
		thickness	0.7 mm
		colour	<b>Red, Blue , Yellow</b>
4	Bedding	material	PVC
		operation temp.	80°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.	80°C
		thickness	1.8 mm
		colour	<b>Black</b>
7	Overall diameter approx.		23.8 mm
8	Max. dc conductor resistance at 20°C		1.15 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 90°C		1.47 Ω/km
10	Min. Insulation resistance at 90 °C		0.386 MΩ . km
11	Short circuit current		2.29 kA at 1 second
12	High voltage test		3.5 kvac or 8.4 kvdc for 5 min
13	Working temperature		-25 +90 °C
14	Min. bending radius		8 x D (Overall diameter)
15	Flame retardant test		As per IEC 60332-1
16	Cable length (per drum)		<b>1x200 M (T: 200 M)</b>
17	Cable weight approx.		1280 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY 3 x16 SQMM 0.6/1.0 KV MADE IN IRAN 1400

**METAL CABLE CO.**  
**Sales Engineering Dept.**

*Technical approval*