

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

No.: MC – 0301

Date : 03.03.022

Low voltage control cable

Acc. IEC 60502-1 , ( INSO 3569-1) , (0.6/1.0)1.2 kv , frequency : 50 Hz

Copper conductor/ XLPE insulated/ PVC bedding/ galvanized steel wire armour/ PVC outer sheath  
Cable code : N2XRY

R	SPECIFICATION		
1	Cable size	20x2.5 mm <sup>2</sup>	
2	Conductor	material	Plain annealed copper
		Class	2 , round
		construction	7x0.67 mm
3	Insulation	material	XLPE
		operation temp.	90 °C
		thickness	0.7 mm
		colour	Black with white numbered
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	Black
7	Overall diameter approx.	27.4 mm	
8	Max. dc conductor resistance at 20°C	7.41 Ω/km acc. IEC 60228	
9	Max. ac conductor resistance at 90°C	9.48 Ω/km	
10	Min. Insulation resistance at 90 °C	0.841 MΩ . km	
11	Short circuit current	0.269 kA at 1 second	
12	High voltage test	3.5 kvac or 8.4 kvdc for 5 min	
13	Min. Installation temp.	-25 ___ +90 °C	
14	Min. bending radius	10 x D (Overall diameter)	
15	Flame retardant test	Acc. IEC 60332-1	
16	Cable length (per drum)	Per request	
17	Cable weight approx.	1580 kg/km	
Marking : METAL CABLE CO. IEC 60502-1 N2XRY 20x2.5 SQMM 0.6/1 KV 1403 length			

*Technical approval*