

METAL CABLE CO.
DATA SHEET

No.: MC - 21122

Date : 96.07.12

Low voltage armoured cable

Acc. IEC 60502-1 , (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
Cable code : N2XRY

SPECIFICATION

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1	Cable size	4x6 mm ²
2	Conductor	material Plain annealed copper
		Class 2 , round
		construction 7x1.04 mm
3	Insulation	material XLPE
		operation temp. 90°C
		thickness 0.7 mm
		colour Red , yellow , blue , yellow/green ✓
4	Bedding	material PVC
		operation temp. 80°C
		thickness 1.2 mm
		colour Black
5	Armour	material Galvanized steel
		type Wire armour (GSWA)
		diameter 1.2 mm
6	Outer jacket	material PVC
		operation temp. 80°C
		thickness 1.8 mm
		colour Black
7	Overall diameter approx.	19.6 mm
8	Max. dc conductor resistance at 20°C	3.08 Ω/km acc. IEC 60228
9	Max. ac conductor resistance at 90°C	3.93 Ω/km
10	Min. Insulation resistance at 90 °C	0.590 MΩ . km
11	Short circuit current	0.857 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	6 x D (Overall diameter)
15	Flame retardant test	Acc. IEC 60332-1
16	Cable length (per drum)	2000 M
17	Cable weight approx.	860 kg/km

Marking : METAL CABLE CO. IEC 60502-1 N2XRY 4x6 SQMM 0.6/1 KV MADE IN IRAN 1396

Technical approval