

METAL CABLE CO.

DATA SHEET

No.: MC – 24521

Date : 95.10.19

Low voltage power cable

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

Copper conductor/ XLPE insulated/ PVC bedding/ galvanized steel wire armour/ PVC outer sheath
CU/XLPE/BD/GSWA/PVC (N2XRY-O)

| R | SPECIFICATION | | |
|----|--------------------------------------|--------------------------------|---|
| 1 | Cable size | 7x2.5 mm ² | |
| 2 | Conductor | material | Plain annealed stranded copper |
| | | Class | 2 , round |
| | | construction | 7x0.67 mm |
| 3 | Insulation | material | XLPE |
| | | operation temp. | 90°C |
| | | thickness | 0.7 mm |
| | | colour | Black , Blue , Yellow, Red, Green, Grey, Brown |
| 4 | Bedding | material | PVC |
| | | operation temp. | 90°C |
| | | thickness | 1.0 mm |
| | | colour | Black |
| 5 | Armour | Material | Galvanized steel |
| | | type | wire armour (GSWA) |
| | | diameter | 1.2 mm |
| 6 | Outer jacket | material | PVC |
| | | operation temp. | 90°C |
| | | thickness | 1.8 mm |
| | | colour | Black |
| 9 | Overall diameter approx. | 18.6 mm | |
| 10 | Max. dc conductor resistance at 20°C | 7.41 Ω/km acc. IEC 60228 | |
| 11 | Max. ac conductor resistance at 20°C | 9.49 Ω/km | |
| 12 | Min. Insulation resistance at 90 °C | 0.841 MΩ . km | |
| 13 | Short circuit current | 0.357 kA at 1 second | |
| 14 | High voltage test | 3.5 kvac or 8.4 kvdc for 5 min | |
| 15 | Working temperature | -25 ___ +90 °c | |
| 16 | Min. bending radius | 6 x D (Overall diameter) | |
| 17 | Flame retardant test | Acc. IEC 60332-1 | |
| 18 | Max cable length (per drum) | 2000 M | |
| 19 | Cable weight approx. | 760 kg/km | |

Marking : METAL CABLE CO. IEC 60502-1 N2XRY-O 7x2.5 SQMM 0.6/1 kv MADE IN IRAN 1395 length

Technical approval