



## Cable to connect inductors in autostop installations Cablul pentru conectarea inductorilor in instalatiile de autostop

|  |  |
|--|--|
| 1 Conductoare din cupru rotunde, unifilare conf SR EN 60228/Monowire copper conductors according to  | SR EN 60228  |
| 2 Conductoare izolate cu PE / PE insulated conductors  |  |
| 3 Invelis comun extrudat sau din benzi / Filler/ Plastic tapes   |  |
| 4 Ecran din banda Al/PET 9/12 μm + fir de continuitate / Alumin., tape 9/12μm screen & screen continuitate   |  |
| 5 Manta interna din PVC / PVC inner sheath   |  |
| 6 Armatura din banda de otel sau otel nezincata de 10,2mm / Blank or zinc-plated 10,2mm cold-rolled steel  |  |
| 7 Manta exterioara din PVC / PVC outer sheath  |  |
| <b>Utilizare:</b> Cablul este utilizat in domeniul feroviar pentru conectarea inductorilor in instalatii de autostop de la caletaferata ,clasa de risc 1A conf OMT 290/2000 Cablurile sunt cu rezistenta la UV |  |
| <b>Applicability :</b> Railway cable is used to connect inductors in installations autostop at railroad  |  |
| Tensiune nominala U0/U (Rated voltage U0/U)  | 0.25/0.5 kV  |
| Tensiune de incercare/Test voltage   | 3.125 kV ca sau/or 7,5 kV  |
| Rezistivitatea de volum /Volume resistivity at , minspecifica, min,  | la / at 20 °C-10   |
| Rezistenta de izolatie, min / Insulation resistance  | 1000 MΩ*km   |
| Capacitatea max. la 800 Hz / Maximum capacity, 800 Hz  | 32 nF/km   |
| Temperatura de instalare pecablul (masurata pe cablu)  | + 5 °C.... + 5   |
| The minim temperature of de cable during installation  |  |
| Temperatura maxima de lucru / Max.permissible operating temperature  | + 70°C   |
| Temperatura maxima de scurt circuit / Max. short-circuit temperature   | +140°C (max 5 s)   |
| Temperatura de utilizare normala / Normal operational temperature range  | 40 °C ÷ +70 °C -altitude up to 1000 m - relative humidity max 100% |
| Raza minima de curbura la instalare min. 10 x Ø cablului   | Min. bending radius at installation Min. 10 x Ø                    |
| Forta maxima de tractiuneMax 50 N/mm <sup>2</sup>  | Max. tensile strain during installation Max 50 N/mm <sup>2</sup>   |
| Cod de culori pentru izolatie;Rosu, albastru , galben, verde   | Color coding for insulation;Red, blue, yellow, green               |

|              | n x 4 x 0.8 mm |             |              | n x 4 x 0.9 mm |             |              | n x 4 x 1.2 mm |             |              | n x 4 x 1.4 mm |             |  |
|--------------|----------------|-------------|--------------|----------------|-------------|--------------|----------------|-------------|--------------|----------------|-------------|--|
| No. of quads | Outer Ømm      | Cable kg/km | Standar d m. | Outer Ømm      | Cable kg/km | Standar d m. | Outer Ømm      | Cable kg/km | Standar d m. | Outer Ømm      | Cable kg/km |  |
| 1            | 10             | 160         | 1000         | 12             | 190         | 1000         | 11             | 220         | 1000         | 14             | 260         |  |
| 3            | 15             | 270         | 1000         | 17             | 330         | 1000         | 19             | 360         | 1000         | 21             | 570         |  |
| 5            | 17             | 420         | 1000         | 19             | 470         | 1000         | 22             | 680         | 1000         | 24             | 820         |  |
| 7            | 18             | 530         | 1000         | 21             | 580         | 1000         | 23             | 725         | 1000         | 26             | 1020        |  |
| 10           | 21             | 690         | 1000         | 24             | 750         | 1000         | 31             | 910         | 1000         | 33             | 1190        |  |
| 14           | 24             | 870         | 1000         | 27             | 940         | 1000         | 33             | 1250        | 1000         | 36             | 1550        |  |
| 20           | 27             | 950         | 1000         | 30             | 1030        | 1000         | 36             | 1550        | 1000         | 42             | 2070        |  |
| 30           | 32             | 1250        | 1000         | 36             | 1430        | 1000         | 43             | 2180        | 1000         | 49             | 2900        |  |
| 40           | 36             | 1610        | 1000         | 40             | 1810        | 1000         | 44             | 2890        | 500          | 55             | 3730        |  |