



## TECHNICAL DATA SHEET

| <b>Cu/XLPE/SWA/PVC</b> |   |                    |                              |
|------------------------|---|--------------------|------------------------------|
| <b>1.</b>              | <b>Type of Cable</b>                    |                    | <b>Item</b>                  |
| 1.1                    | Cross-section                           | mm <sup>2</sup>    | <b>7x2.5</b>                 |
| 1.2                    | Designation voltage                     | U0/U (kV)          | 0,6/1                        |
| 1.3                    | Standard No                             |                    | BS 5467                      |
| 1.4                    | International Code                      |                    | Cu/XLPE/SWA/PVC              |
| <b>2.</b>              | <b>Conductor</b>                        |                    |                              |
| 2.1                    | Conductor material                      |                    | Copper                       |
| 2.2                    | Conductor construction                  |                    | Circular stranded conductor  |
| 2.3                    | Nominal cross-sectional area            | (mm <sup>2</sup> ) | 2.5                          |
| 2.4                    | Number and nominal diameter of wires    | (mm)               | 7x0,67                       |
| 2.5                    | Diameter of conductor                   | (mm)               | 2                            |
| 2.6                    | Maximum D.C. resistance at 20 °C        | (ohm/km)           | 7.41                         |
| 2.7                    | Maximum operating temperature           | (°C)               | 90                           |
| 2.8                    | Short-circuit temperature               | (°C)               | 250                          |
| <b>3.</b>              | <b>Insulation</b>                       |                    |                              |
| 3.1                    | Type                                    |                    | GP8                          |
| 3.2                    | Material                                |                    | XLPE                         |
| 3.3                    | Nominal thickness                       | (mm)               | 0.7                          |
| <b>4.</b>              | <b>Bedding</b>                          |                    |                              |
| 4.1                    | Type                                    |                    | PVC                          |
| 4.2                    | Material                                |                    | PVC                          |
| 4.3                    | Nominal thickness                       | (mm)               | 0.8                          |
| <b>5.</b>              | <b>Armour</b>                           |                    |                              |
| 5.1                    | Material                                |                    | Galvanized round steel wires |
| 5.2                    | Nominal thickness                       | (mm)               | 0.9                          |
| <b>6</b>               | <b>Outer sheath</b>                     |                    |                              |
| 6.1                    | Type                                    |                    | TYPE 9                       |
| 6.2                    | Material                                |                    | PVC                          |
| 6.3                    | Nominal thickness                       | (mm)               | 1.4                          |
| <b>7</b>               | <b>General</b>                          |                    |                              |
| 7.1                    | Overall Diameter of Cable               | (mm)               | 16.4                         |
| 7.2                    | Weight of cable approx.                 | (kg/km)            | 578                          |
| 7.3                    | Permissible bending radius              | (mm)               | 6 x D                        |
| 7.4                    | Current Carrying Capacity on air        | (A)                | 21                           |
|                        | Current Carrying Capacity on earth      | (A)                | 26                           |
| <b>8</b>               | <b>Drum</b>                             |                    |                              |
| 8.1                    | Type                                    | (cm)               | 100                          |
| 8.2                    | Weight of empty drum                    | (kg)               | 65                           |
| 8.3                    | Reel Diameter                           | (mm)               | 400                          |
| 8.4                    | Flange Diameter                         | (mm)               | 1000                         |
| 8.5                    | Width                                   | (mm)               | 750                          |
| 8.6                    | Gross weight of drum with cable approx. | (kg)               | 643                          |
| 8.7                    | Length of cable per drum                | (m)                | 1000                         |