



## Servol. XLPE 3(C)Y (3x95+3G16)

### Construction

- Number of Cores: (3x95 + 3x16)
- Jacket material: Special PVC
- Outside diameter: 40,9 mm
- Weight: 355,6 kg / 100 m

#### Element 1:

- Construction: 3 x 95
- Conductor: bare copper wire
- Conductor class: IEC 60228, class 5, finely stranded DIN VDE 0295 class 5
- Core identification: colour-coded
- Core marking standard: Cenelec HD 308
- Core Insulation: XLPE

#### Element 2:

- Construction: 3G16
- Conductor class: IEC 60228, class 5 finely stranded DIN VDE 0295 class 5
- Core identification: colour-coded
- Core marking standard: Cenelec HD 308, DIN EN 50334

#### Overall Construction:

- Total stranding: elements stranded together
- Overall shielding: Al-laminated
  - Foil screen
  - Braided screen
  - tinned copper wires
  - optical coverage approx. 85%
- Jacket property: flame retardant
  - self-extinguishing
  - oil resistant
  - fat resistant
  - acid-resistant
  - alkali-resistant
  - silicone-free

### Technical specification

- Nominal voltage  $U_0$  /  $U$ : 600/1000 V
- Test voltage: AC 4000 V
- Temperature range
  - free movement: -5°C to +70°C
  - fixed installation: -30°C to +90°C
- Minimum bending radius moved: 15 x D
  - fixed installation: 5 x D
- Recommended bending radius moves: 15 x D < 20 mm
  - 20 x D > 20 mm
  - Recommended bending radius fixed: 7.5 x D < 20 mm
  - 10 x D < 20 mm

#### Element 1:

- Element structure: 3 x 95
- Insulation resistance at 20 ° C: 500 MOhm x km
- Operating capacity wire-wire: 70 pF / m
- Operating capacity core screen: 110 pF / m

#### **Element 2:**

- Element structure: 3G16

#### **Area of Application:**

- Flexible motor supply line in machine and apparatus construction, transport and conveyor technology, Heating and air conditioning technology
- In dry and damp rooms
- For flexible use without forced operation
- Easy installation and routing
- Low capacity for long cable lengths
- Low loss line transmission

#### **Characteristics:**

- Third protective conductor for improved symmetry and reduced induction
- Special XLPE insulation with low capacity
- Increased temperature resistance (90 ° C) for conductor and sheath material
- High dielectric strength
- High current carrying capacity
- Especially suitable for frequency converters
- High active and passive interference immunity (EMC)
- PVC flame retardant, self-extinguishing according to IEC 60332-1
- Largely resistant to oils, fats, acids and bases
- Silicone free

The cable complies with the EU Low Voltage Directive 2014/35 / EU (RoHS)

Article number: 4840395300

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- Further formats available on request
  - All data and products subject to change