

## **Transmitting Cable**

- Producer: Koch Kabel AG (Gewerbe Brunnmatt 11, CH-6264 Pfaffnau, Germany, +41 62 748 49 00)
- Article No.: A24011600
- Name: Koflex HF Plus Servo PUR UL
- Detail: highly flexible single conductor
- Nominal voltage: 0.6/1kV
- Conductor cross section: 1x16 mm<sup>2</sup>
- Sheath: full polyurethane, matte, non-adhesive surface
- Inner and outer sheath colour: black RAL 9005
- Other characteristics: unshielded cable
- Temperature range:
  - Moving: -25°C to +80°C
  - Fixed installation: -40°C to +80°C
- Minimum bending radius
  - Moving: Cable diameter × 7.5
  - Fixed installation: Cable diameter × 6
- Flame behaviour: Flame-resistant according to VDE 0482 T 265-2-1, DIN EN 50265-2-1, IEC 60332-1, UL 1581 section 1080 VW-1, CSA FT 1
- E-Copper stranded wire, finely stranded according to DIN VDE 0295 Class 6, IEC 60228 Class 6
- Braided Cu wire, optical coverage ≥ 85%

## **Features**

- halogen-free according to DIN EN 202641-1, EN 50267-2-1, and EN 60684-2
- very good flexural strength.
- good resistance to pressure and rolling.
- low adhesion, abrasion-resistant, notch-tough, tear-resistant.
- hydrolysis, microbe, and rot-resistant.
- weather, ozone, and UV-resistant (under normal lighting conditions).
- good resistance to use and seawater.
- best resistance to coolants and lubricants.
- largely resistant to oils, fats, alcohol-free gasoline, and kerosene.
- free of substances that disturb paint wetting (LABS-free), RoHS-compliant.

## **Electrical Properties:**

- Nominal voltage U<sub>0</sub>/U 0.6/1kV
- Test voltage 4000 V
- Minimum insulation resistance 200 MΩ × km