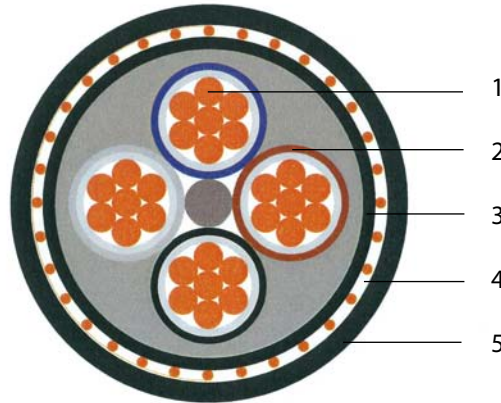


NU-EHXHCHX 0,6/1 kV

1/1

Reference standards

IEC 60502-1 / IEEE 383



Construction

1. Conductor : round tinned copper conductors acc. to IEC 60228 (solid or stranded)
2. Insulation : cross-linked double layer EPR insulation
Thickness : acc. to IEC 60502-1 table 7, column 2
Colour code : acc. to HD 308
3. Common core covering : extruded halogen-free and flame retardant filling compound and inner sheath
4. Concentric conductor : concentric layer of bare copper wires with a counter helix of copper tape.
5. Outer sheath : FRNH cross-linked compound
Thickness : acc. to IEC 60502-1 § 13.3
Colour : black (other colours on request)

Electrical properties

- conductor resistance : acc. to IEC 60228
- insulation constant : acc. to IEC 60502-1 : $\geq 3,67 \text{ M}\Omega\cdot\text{km}$
- high voltage dielectric test : acc. to IEC 60502-1 : 3500 Vac 5 min

Physical properties of insulation and sheath

acc. to IEC 60502-1

Fire behavior

- flame retardant acc. to IEC 60332-1
- fire retardant acc. to IEC 60332-3 cat. A/B/C
- halogen-free acc. to IEC 60754-2
- low smoke emission acc. to IEC 61034

LOCA conditions

- acc. to IEEE 383-2003

Application

LV-power cables for use inside hermetic zone of nuclear power plants

Cable is available in the sizes from 1,5 to 240 mm², 2 to 4 conductors.

Type-Test

This cable construction is covered by the Type-Test-Report TT/LA 40 with a life-time simulation of 60 years at 80 °C.