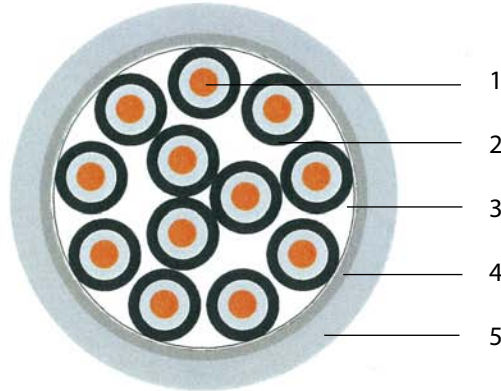


NU-SHXHX 0,6/1 kV

1/1

Reference standards

IEC 60502-1 / IEEE 383

Construction

1. Conductor : stranded tinned copper conductors acc. to IEC 60228
2. Insulation : cross-linked double layer EPR insulation
Thickness : acc. to IEC 60502-1 table 7, column 2
Identification of cores : black cores, white numbered 1 to n (n=number of cores)
3. Assembling : cores laid-up in concentric layers
4. Common core covering : suitable number of non-hygroscopic and halogen-free tapes plus an extruded halogen-free and flame retardant filling compound
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 : $3500 \text{ V}_{\text{ac}} \text{ 5 min}$

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

Signaling / control cables for use inside hermetic zone of nuclear power plants

Cable is available in the sizes from 1,5 to 2,5 mm², 7 to 61 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.