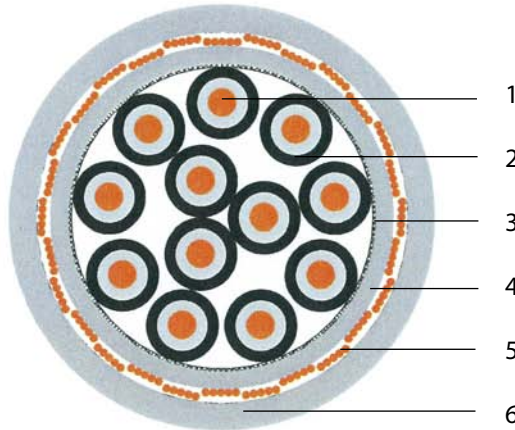


# NU-SHXHCHX 0,6/1 kV

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 : extruded halogen-free and flame retardant filling compound and inner sheath
5. Screen : tinned copper wire braid, coverage density  $\geq 82\%$
6. 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 :  $3500 \text{ V}_{ac} \text{ 5 min}$

### 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

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

Cable is available in the sizes from 1,5 to 2,5 mm<sup>2</sup>, 1 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.