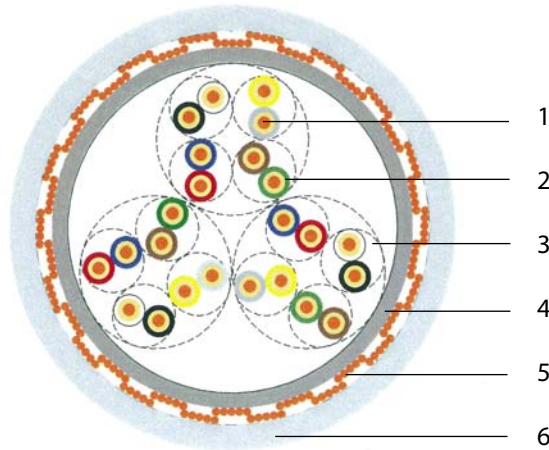


NU-THXHCHX Bd 500 v

1/1

Reference standards

EN 50288-7 / IEEE 383



Construction

1. Conductor : stranded tinned copper conductors acc. to IEC 60228
2. Insulation : cross-linked double layer EPR insulation
Thickness : acc. to EN 50288-7
3. Stranding : 2 cores form a pair / 4 pairs form a bundle
Bundles twisted in concentric layers
Colour code to identify the pairs and the bundles
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 EN 50288-7
- insulation resistance : $> 10 \text{ M}\Omega \cdot \text{km}$ at $20 \text{ }^\circ\text{C}$
- high voltage dielectric test : $2000 \text{ V}_{\text{ac}}$ 1 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

Instrumentation cables for use inside hermetic zone of nuclear power plants

Cable is available in the sizes from $0,5$ to $1,0 \text{ mm}^2$, 1 to 20 pairs.

Type-Test

This cable construction is covered by the Type-Test-Report TT/LA 40 with a life-time simulation of 60 years at $80 \text{ }^\circ\text{C}$.

Available on request

NU-TmHXHCHX Bd cable where min. one layer of MICA tape is helically applied between conductor and insulation in order to satisfy the circuit integrity acc. to IEC 60331.