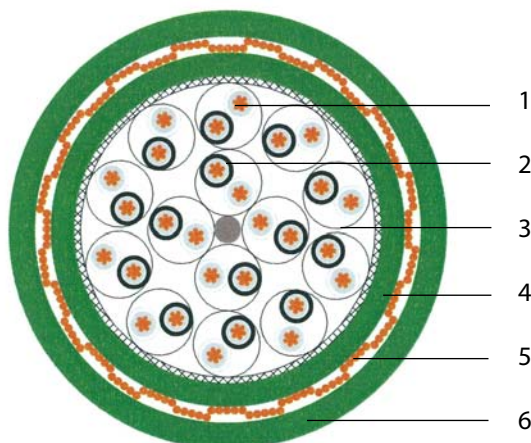


# NU-THXHCHX Lg 500 v

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 twisted to a pair / 3 cores twisted to a triple  
Pairs/triples laid-up in concentric layers  
Two-colour coding plus numbering of the pairs  
Three-colour coding plus numbering of the triples
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 19 pairs/triples.

## 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 Lg 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.