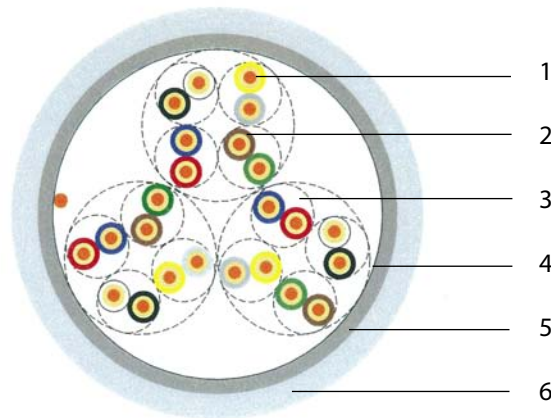


# NU-THX(St)HX Bd 500 v

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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 bundles
4. Screening : consisting of a laminated Alu/PET tape applied helically in continuous contact with a tinned copper drain wire
5. Common core covering : min. 1 layer of non hygroscopic and halogen free tapes plus an extruded halogen-free and flame retardant filling compound
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 MΩ.km at 20 °C
- high voltage dielectric test : 2000 V<sub>ac</sub> 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 mm<sup>2</sup>, 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 °C.

## Available on request

NU-TmHX(St)HX 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.