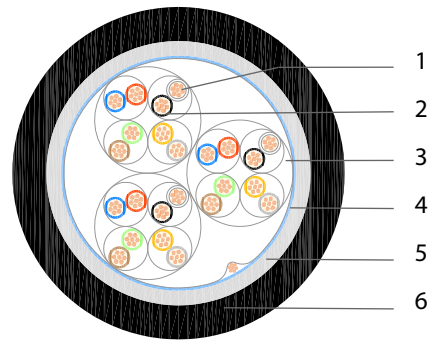


NU-THX(St)HX Bd 500 v

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 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_{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 mm², 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.

All information given is indicative only and not binding and can be subject to change without notice.