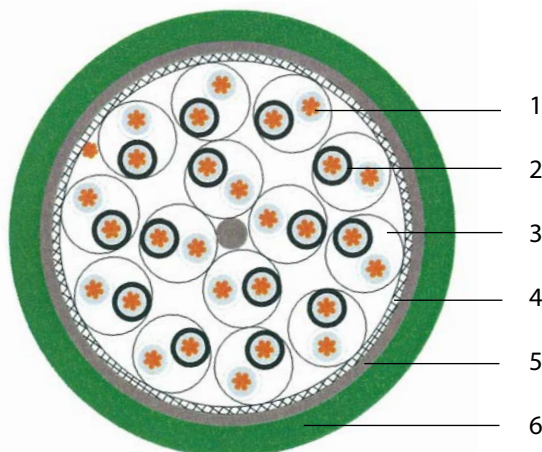


NU-THX(St)HX Lg 500 v

1/1

Reference standard

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
Colours code to identify the pairs and triples
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 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 °C.

Available on request

NU-TmHX(St)HX 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.