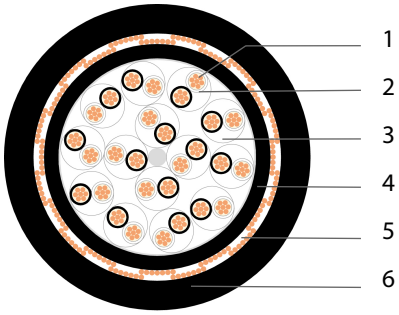
NU-THXHCHX Lg 500 V

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 ≥ 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 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 mm^2, 1 to 19 pairs/tiples.

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-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.