

# NU-2XCH / NU-m2XCH 0,6/1 kV

1/1

Reference standard

**IEC 60502-1**



## Construction

1. Conductor : annealed copper acc. to IEC 60228
2. *Optionally MICA tape for fire resistant*
3. Insulation : XLPE  
Thickness : acc. to IEC 60502-1  
Colour code : acc. to HD 308
4. Common core covering
5. Concentric conductor : tinned copper wire braid
6. Outer sheath : LSOH, type ST 8 acc. to IEC 60502-1  
Thickness : acc. to IEC 60502-1  
Colour : black (other colours on request)

## Properties

- Conductor resistance at 20 °C : acc. to IEC 60228
- Voltage test on complete cable :  
3500 V<sub>ac</sub> 5 min between conductors
- Flame propagation : acc. to IEC 60332-1
- Fire propagation : acc. to IEC 60332-3-24 cat.C  
(IEC 60332-3-22 cat. A, IEC 60332-3-23 cat. B on request)
- Smoke density : acc. to IEC 61034-1 + 2
- Halogen free, low corrosiveness of the combustion gases : acc. to IEC 60754-2
- *MICA option: insulation integrity acc. to IEC 60331*

## Other properties

- Long life time at ambient conditions in Nuclear power plants (outside containment)
- Max. conductor temperature : +90 °C
- Min. laying temperature : -5 °C
- Max. short-circuit temperature (max. 5s) : +250 °C
- Min. bending radius : 12 x D (D = overall diameter)
- Final installation, only one time bending : 8 x D (D = overall diameter)

## Application

LV-power and control cables for use outside hermetic zone of nuclear power plants

Each production is supported by a "construction file" confirming the full compliance to the inspection and test plan.

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