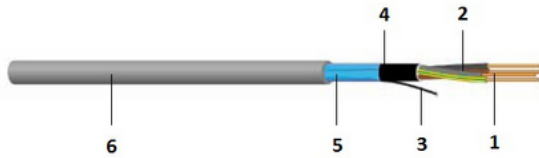


# (N)HXM(St)H

Shielded power cable, 300/500V  
halogen-free, with improved fire characteristics,  
VDE 0250-214



- 1 **Conductor:** solid/stranded
- 2 **Insulation:** cross-linked PE, zero halogen
- 3 **Drain wire:** tinned copper
- 4 **Filler:** flame retardant, zero halogen
- 5 **Shielding:** Al-laminated tape
- 6 **Sheath:** FRNC/LSZH



## DESCRIPTION

For permanent installation in dry, damp or wet areas, on or behind plasterwork or in walls or concrete, except for direct embedding in cast, rammed or vibrated concrete.  
Also suitable for outdoor applications.  
Permitted operating temperature at conductor of +70°C.

## CONSTRUCTION

Conductor: Bare copper, solid or stranded, IEC 60228, EN 60228, (VDE 0295)  
Insulation: Cross-linked Polyethylene, CENELEC HD 604 S1 and VDE 0276-604 "2X1"  
Filler: Halogen-free compound  
Shielding: Al-laminated tape with tinned copper drain wire  
Outer sheath: Polyolefin compound, VDE 0250-214 "HM2"  
Core colours: CENELEC HD 308 S2, (VDE 0293)  
Sheath colour: Grey  
Imprint: On request

## ELECTRICAL PROPERTIES

Nominal voltage: 300/500V  
Test voltage: 2000V, 50Hz

## MECHANICAL PROPERTIES

Minimum bending radius permanent installation: 4 x D (D = outer diameter)  
during installation: 6 x D  
Operating temperature permanent installation: -40°C to +70°C  
during installation: +5°C to +50°C

## NOTE

Additional dimensions available on request.

## STANDARDS

Imprint On request  
Zero halogen, no corrosive gases IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA  
Flame propagation IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1  
Flame spread IEC 60332-3-24, EN 60332-3-24, AREI-RGIE Art.104-F2  
Smoke density IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD

## VERSIONS

Article No.	Product	Number of Cores	Diameter [mm <sup>2</sup> ]	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [kWh/m]	Construction	Conductor
1301193	(N)HXM(St)H-J 3 x 1.5/1.5	3	1.5/1.5	9	150	43	0.36	LNPE	solid
1301194	(N)HXM(St)H-J 3 x 2.5	3	2.5	10	150	72	0.42	LNPE	solid
1301212	(N)HXM(St)H-J 4 x 1.5/1.5	4	1.5/1.5	10	176	58	0.41	2LNPE	solid
1301213	(N)HXM(St)H-J 4 x 2.5/2.5	4	2.5/2.5	11	245	96	0.48	2LNPE	solid
1301214	(N)HXM(St)H-J 5 x 1.5	5	1.5	11	222	72	0.48	3LNPE	solid
1301195	(N)HXM(St)H-J 5 x 2.5	5	2.5	12	150	120	0.56	3LNPE	solid

## **(N)HXM(S)tH**

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