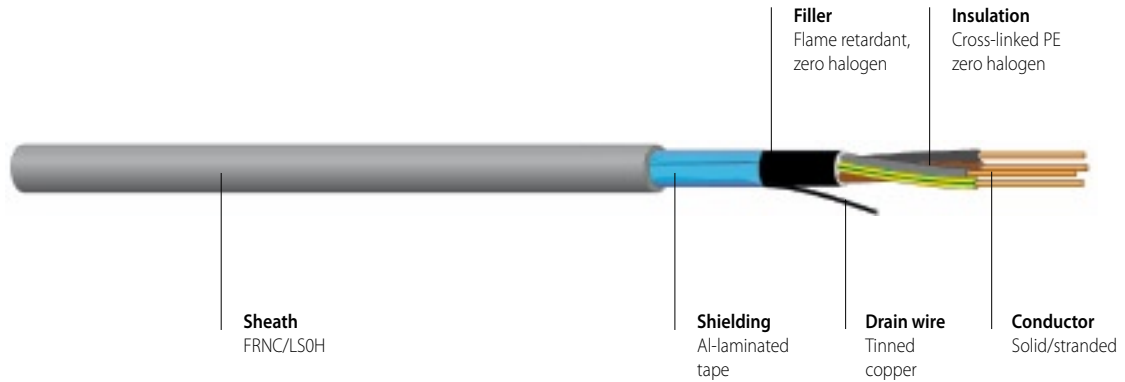


## PREVENTIVE FIRE PROTECTION

### (N)HXM(St)H

#### Shielded power cable 300/500V

Halogen free, with improved fire characteristics  
VDE 0250-214



## PRODUCT INFORMATION



### APPLICATION

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 "2X11" |
| 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   |

### TECHNICAL PROPERTIES

|                 |             |
|-----------------|-------------|
| Nominal voltage | 300/500V    |
| Test voltage    | 2000V, 50Hz |

### GENERAL 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              |

|                     |  |
|---------------------|--|
| Zero halogen        | IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2<br>IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2<br>IEC 60332-3-24 Cat. C, EN 60332-3-24 Cat. C, VDE 0482-332-3-24 Cat. C<br>IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2 |
| non corrosive gases |  |
| Flame propagation   |  |
| Flame spread        |  |
| Smoke density       |  |

## PRODUCT INFORMATION

| Article No. | No. of cores x cross section |   |     |    | Cu content | Total weight | Outer diameter | Fire load  |
|-------------|------------------------------|---|-----|----|------------|--------------|----------------|------------|
|             | n x mm <sup>2</sup>          |   |     |    | kg/km      | app. kg/km   | app. mm        | app. kWh/m |
|             | 2                            | x | 1,5 | RE | 43         | 119          | 8,5            | 0,26       |
|             | 2                            | x | 2,5 | RE | 63         | 151          | 9,7            | 0,32       |
| 1301 193    | 3                            | x | 1,5 | RE | 58         | 137          | 9,0            | 0,36       |
| 1301 194    | 3                            | x | 2,5 | RE | 87         | 180          | 10,0           | 0,42       |
| 1301 212    | 4                            | x | 1,5 | RE | 72         | 160          | 10,0           | 0,41       |
| 1301 213    | 4                            | x | 2,5 | RE | 111        | 213          | 11,0           | 0,48       |
| 1301 214    | 5                            | x | 1,5 | RE | 87         | 187          | 11,0           | 0,48       |
| 1301 195    | 5                            | x | 2,5 | RE | 135        | 253          | 12,0           | 0,56       |

RE = circular, solid conductor  
RM = circular, stranded conductor

Additional dimensions available on request.