



# MMJ-HF/EXQ Light Pro/IFXI LX

XLPE insulated and HFFR sheathed cable with Cu conductors

## APPLICATION

Halogen free, XLPE-insulated and HFFR- sheathed house wiring cable with circular, copper conductors. For fixed surface and flush-mounted installations, indoors and outdoors. This cable is recommended for use in public and industrial environments where enhanced fire-retardant properties, reduced fumes, toxic and corrosive gases emissions are required in the case of fire.

## CONSTRUCTION

Conductors: Cu, class 1 or 2, according to EN 60228

Insulation: XLPE compound

Bedding: Halogen-free polyolefin compound

Outer Sheath: HFFR compound, white, UV resistant

## CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

2-core: ● Brown ● Blue

3-core (a): ● Green/Yellow ● Brown ● Blue

3-core (b): ● Black ● Brown ● Grey

4-core (a): ● Green/Yellow ● Brown ● Black ● Grey

4-core (b): ● Blue ● Brown ● Black ● Grey

5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Outer Sheath Colour:

○ White

*Other colours available on request*

## TECHNICAL CHARACTERISTICS

CPR Class: EXQ light/ /IFXI LX: Cca s1,d1,a1

MMJ-HF: Cca s1,d1,a1

Rated voltage: MMJ-HF (6-25 mm<sup>2</sup>): 450/750 V

EXQ Light/IFXI LX (1,5-2,5 mm<sup>2</sup>): 300/500 V

Bending radius (min): 6xD, D – overall diameter

Min. handling temperature: -15°C

Min. laying temperature: -15°C

Ambient (exploitation) temperature: -35°C to 40°C

Max. conductor temperature: 90°C

Max. short-circuit temperature: 250°C

Fire properties: EN 50399 ; EN 60332-1-2 EN 60332-3-24 ; EN 60754-2 ; EN 61034-2

## STANDARD

SS 424 02 19-5; SFS 5544, NEK 591

## CERTIFICATION



| NUMBER OF CORES<br>X NOMINAL CROSS<br>SECTION | CONDUCTOR<br>CONSTRUCTION | MAX. CONDUCTOR<br>RESISTANCE | OUTER DIAMETER<br>(APPROX.) | TOTAL WEIGHT<br>(APPROX.) | STANDARD LENGHTS/<br>PACKING |
|-----------------------------------------------|---------------------------|------------------------------|-----------------------------|---------------------------|------------------------------|
| mm <sup>2</sup>                               |                           | Ω/km                         | mm                          | kg/km                     | m                            |
| 2 x 6                                         | RE                        | 3,08                         | 12,4                        | 269                       | <b>500 D, 1000 D</b>         |
| 2 x 10                                        | RE                        | 1,83                         | 14,1                        | 377                       | 500 D, 1000 D                |
| 2 x 16                                        | RE                        | 1,15                         | 16,2                        | 537                       | 500 D, 1000 D                |
| 3 x 1,5                                       | RE                        | 12,1                         | 7,6                         | 99                        | 500 D, 1000 D                |
| 3 x 2,5                                       | RE                        | 7,41                         | 8,9                         | 144                       | 500 D, 1000 D                |
| 3 x 4                                         | RE                        | 4,61                         | 11,0                        | 227                       | 500 D, 1000 D                |
| 3 x 6                                         | RE                        | 3,08                         | 12,0                        | 300                       | 500 D, 1000 D                |
| 3 x 10                                        | RE                        | 1,83                         | 14,9                        | 461                       | 500 D, 1000 D                |
| 3 x 16                                        | RE                        | 1,15                         | 17,2                        | 668                       | 500 D, 1000 D                |
| 4 x 1,5                                       | RE                        | 12,1                         | 8,2                         | 117                       | 500 D, 1000 D                |
| 4 x 2,5                                       | RE                        | 7,41                         | 9,6                         | 173                       | 500 D, 1000 D                |
| 4 x 6                                         | RE                        | 3,08                         | 14,2                        | 390                       | 500 D, 1000 D                |
| 4 x 10                                        | RE                        | 1,83                         | 16,5                        | 569                       | 500 D, 1000 D                |
| 4 x 16                                        | RE                        | 1,15                         | 19                          | 829                       | 500 D, 1000 D                |
| 5 x 1,5                                       | RE                        | 12,1                         | 8,9                         | 139                       | 500 D, 1000 D                |
| 5 x 2,5                                       | RE                        | 7,41                         | 10,5                        | 207                       | 500 D, 1000 D                |
| 5 x 4                                         | RE                        | 4,61                         | 12,1                        | 323                       | 500 D, 1000 D                |
| 5 x 6                                         | RE                        | 3,08                         | 13,3                        | 436                       | 500 D, 1000 D                |
| 5 x 10                                        | RE                        | 1,83                         | 15,2                        | 657                       | 500 D, 1000 D                |
| 5 x 16                                        | RE                        | 1,15                         | 17,8                        | 988                       | 500 D, 1000 D                |
| 3 x 4                                         | RM                        | 4,61                         | 11,4                        | 235                       | 500 D, 1000 D                |
| 3 x 6                                         | RM                        | 3,08                         | 12,4                        | 307                       | 500 D, 1000 D                |
| 5 x 4                                         | RM                        | 4,61                         | 13,5                        | 334                       | 500 D, 1000 D                |
| 5 x 6                                         | RM                        | 3,08                         | 15,0                        | 452                       | 500 D, 1000 D                |
| 5 x 10                                        | RM                        | 1,83                         | 16,7                        | 664                       | 500 D, 1000 D                |
| 5 x 16                                        | RM                        | 1,15                         | 19,4                        | 988                       | 500 D, 1000 D                |
| 5 x 25                                        | RM                        | 0,727                        | 23,9                        | 1518                      | 500 D, 1000 D                |
| 5 x 35                                        | RM                        | 0,524                        | 26,8                        | 2049                      | 500 D, 1000 D                |