



K-FLEX 3000 HF

FT 05 29/06/2020 FR

Application

Ces câbles sont utilisés comme câbles d'énergie, de commande, de liaison et de raccordement dans les équipements électriques en pose fixe et utilisation mobile, en mouvement libre, sans effort de traction et sans guidage forcé. Ils peuvent être posés en milieu sec ou humide, à l'extérieur uniquement avec une protection UV et ne doivent en aucun cas être posés sous terre.

Application

power, control and connecting cable in electrical facilities for fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry, humid and wet rooms. Outdoor use only with UV-protection, no laying in underground.



Remarques

- sans halogène
- NF C32-070 cat C1

Remarks

- free-halogen
- NF C32-070 cat C1

Construction

| | |
|------------------------|----------------------------------|
| Matériau du conducteur | cuivre nu |
| Classe du conducteur | selon IEC 60228 classe 5 |
| Isolant conducteur | mélange spécial sans halogène |
| Repérage | Noir numéroté + Vert/Jaune |
| Assemblage | conducteurs assemblés en couches |
| Gaine extérieure | mélange spécial sans halogène |
| Couleur de la gaine | gris |

Structure

| | |
|---------------------|-------------------------------|
| conductor material | bare copper strand |
| conductor class | acc. to IEC 60228 class 5 |
| core insulation | special halogen-free compound |
| core identification | Black numbered + Green/Yellow |
| stranding | stranded in layers |
| outer sheath | special halogen-free compound |
| sheath colour | grey |

Données techniques

| | |
|------------------------------|---|
| Tension nominale | Uo/U 300/500 V |
| Tension d'essai | 3000 V |
| Rayon courbure min mobile | 15 x d |
| Rayon courbure min fixe | 4 x d |
| Temp. service min/max mobile | -15°C / +70°C |
| Temp. service min/max fixe | -40°C / +70°C |
| Comportement au feu | non propagateur de la flamme NF C32-070/C2 – IEC 60332-1-2 non propagateur de l'incendie NF C32-070/C1 – IEC 60322-3-24/25 |
| LSZH | IEC 60754-1 & -2 IEC 61034-2 |
| CPR Level | Cca s1d1a1 EN50575 |

Specifications

| | |
|------------------------------|---|
| rated voltage | Uo/U 300/500 V |
| testing voltage | 3000 V |
| min. bending radius mobile | 15 x d |
| min. bending radius fixed | 4 x d |
| operat. temp. min/max mobile | -15°C / +70°C |
| operat. temp. min/max fixed | -40°C / +70°C |
| burning behaviour | flame-retardant NF C32-070/C2 – IEC 60332-1-2 fire-retardant NF C32-070/C1 – IEC 60322-3-24/25 |
| LSZH | IEC 60754-1 & -2 IEC 61034-2 |
| CPR level | Cca s1d1a1 EN50575 |



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| Dimensions n x mm ² Dimension n x mm ² | Ø extérieur mm outer Ø mm | Poids kg/km Weight kg/km | Dimensions n x mm ² Dimension n x mm ² | Ø extérieur mm outer Ø mm | Poids kg/km Weight kg/km |
|---|------------------------------------|-----------------------------------|---|------------------------------------|-----------------------------------|
| 2x0.5 | 4.8 | 34 | 2x1.5 | 6.3 | 67 |
| 3G0.5 | 5.1 | 41 | 3G1.5 | 6.7 | 83 |
| 4G0.5 | 5.5 | 50 | 4G1.5 | 7.5 | 107 |
| 5G0.5 | 6.3 | 63 | 5G1.5 | 8.2 | 131 |
| 7G0.5 | 6.8 | 78 | 6G1.5 | 9.1 | 160 |
| 12G0.5 | 9.1 | 139 | 7G1.5 | 9.1 | 170 |
| 18G0.5 | 10.8 | 199 | 8G1.5 | 10.8 | 219 |
| 25G0.5 | 12.5 | 269 | 10G1.5 | 12.1 | 265 |
| 34G0.5 | 14.9 | 377 | 12G1.5 | 12.1 | 297 |
| 2G0.75 | 5.2 | 42 | 18G1.5 | 14.4 | 428 |
| 3G0.75 | 5.5 | 51 | 25G1.5 | 16.8 | 590 |
| 4G0.75 | 6.2 | 66 | 34G1.5 | 20.0 | 817 |
| 5G0.75 | 6.8 | 80 | 37G1.5 | 20.0 | 848 |
| 6G0.75 | 7.6 | 94 | 2x2.5 | 7.7 | 104 |
| 7G0.75 | 7.6 | 104 | 3G2.5 | 8.2 | 130 |
| 8G0.75 | 9.0 | 136 | 4G2.5 | 9.1 | 166 |
| 10G0.75 | 9.6 | 160 | 5G2.5 | 10.0 | 204 |
| 12G0.75 | 9.9 | 177 | 7G2.5 | 11.1 | 265 |
| 18G0.75 | 12.0 | 261 | 12G2.5 | 15.0 | 470 |
| 25G0.75 | 13.9 | 354 | 18G2.5 | 17.9 | 687 |
| 34G0.75 | 16.5 | 493 | 25G2.5 | 20.9 | 943 |
| 37G0.75 | 16.5 | 509 | 34G2.5 | 24.9 | 1312 |
| 2x1 | 5.5 | 50 | 2x4 | 9.2 | 153 |
| 3G1 | 6.1 | 64 | 3G4 | 9.7 | 194 |
| 4G1 | 6.6 | 78 | 4G4 | 10.9 | 248 |
| 5G1 | 7.2 | 95 | 5G4 | 12.1 | 310 |
| 6G1 | 8.0 | 117 | 7G4 | 13.4 | 404 |
| 7G1 | 8.0 | 124 | 2G6 | 10.8 | 220 |
| 8G1 | 9.5 | 161 | 3G6 | 11.5 | 280 |
| 10G1 | 10.4 | 194 | 4G6 | 12.8 | 358 |
| 12G1 | 10.7 | 209 | 5G6 | 14.3 | 448 |
| 16G1 | 12.0 | 277 | 7G6 | 15.9 | 584 |
| 18G1 | 12.7 | 313 | 3G10 | 14.5 | 452 |
| 25G1 | 14.9 | 433 | 4G10 | 16.3 | 585 |
| 34G1 | 17.7 | 601 | 5G10 | 18.2 | 730 |
| 37G1 | 17.7 | 622 | 7G10 | 20.0 | 952 |
| 50G1 | 20.8 | 856 | 3G16 | 17.0 | 669 |
| | | | 4G16 | 19.0 | 866 |
| | | | 5G16 | 21.2 | 1079 |
| | | | 7G16 | 23.6 | 1424 |
| | | | 4G25 | 23.7 | 1345 |
| | | | 5G25 | 26.6 | 1687 |
| | | | 4G35 | 26.9 | 1812 |
| | | | 5G35 | 30.2 | 2270 |
| | | | 4G50 | 34.2 | 2746 |

• versions spéciales, autres dimensions, sections, couleur de la gaine et des conducteurs sur demande
 • we are pleased to produce special versions, other dimensions, core and jacket colours on request.