

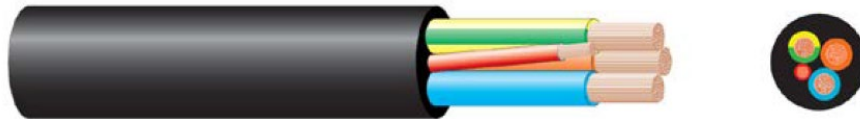
H07BZ5-F

Flexible charging cable for electrical vehicles, 450/750 V
+90 °C service temperature, oil, grease, dust and water resistant, high mechanical strength
EN 50620

Application

Harmonised flexible zero halogen cable for AC charging stations. Excellent resistance to the effects of oil, grease, dust and water. Excellent resistance to heavy mechanical stress. Very good resistance to cold and other weather influences. Compatible with all major connectors. Suitable for indoor and outdoor use.

Construction



1. Conductor: Copper conductor, flexible (class 5)
2. Insulation: Cross-linked halogen free compound, type EVI-2
Core identification: According to HD 308 S2 + pilot cores
3. Outer sheath: Halogen free TPU elastomer compound, type EVM-1, black

Other colours and constructions are available on demand.

Technical information

| | | |
|---|-------------------|--------------------------|
| Rated voltage | U ₀ /U | 450/750 V |
| Max. permissible temperature at conductor | | 90 °C |
| Max. short circuit temperature of the conductor | | 250 °C (max. 5 sec) |
| Min. operating temperature | | -35 °C |
| Min. bending radius mm | | 5 x outer diameter in mm |
| Max. tensile strength during installation | | 15 N / mm ² |

Safety parameters

| | | |
|--------------|--------------|--------------|
| Flame spread | single cable | EN 60332-1-2 |
| Zero halogen | | |

Additional parameters

Oil, grease, dust and water resistant

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| N° of cores and cross section mm ² | Outer diameter approx. mm | Maximum operating ampacity according to EN 50620 | |
|--|----------------------------------|---|-------------|
| | | Single Phase | Three Phase |
| 3 G 1,5 + 1 x 0.5 | 9,2 | 14 | |
| 3 G 2,5 + 1 x 0.5 | 10,3 | 25 | |
| 3 G 4 + 1 x 0.5 | 12,3 | 35 | |
| 3 G 6 + 1 x 0.5 | 13,8 | 44 | |
| 3 G 10 + 1 x 0.5 | 17,5 | 62 | |
| 3 G 16 + 1 x 0.5 | 20,0 | 82 | |
| 3 G 25 + 1 x 0.5 | 24,9 | 109 | |
| 3 G 35 + 1 x 0.5 | 29,3 | 135 | |
| | | | |
| 5 G 2,5 + 1 x 0.5 | 13,2 | | 20 |
| 5 G 4 + 1 x 0.5 | 15,5 | | 30 |
| 5 G 6 + 1 x 0.5 | 17,4 | | 38 |
| 5 G 10 + 1 x 0.5 | 20,8 | | 54 |
| 5 G 16 + 1 x 0.5 | 24,0 | | 71 |
| 5 G 25 + 1 x 0.5 | 31,5 | | 94 |
| 5 G 35 + 1 x 0.5 | 37,4 | | 117 |

If explicitly requested, a version with two signal (pilot) cores can be supplied.

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.