

Single core wire

## MK-HF D and C-PRo 450/750V (H07Z1-R)



Cca

Dca

### APPLICATION

For fixed installation in a conduit, and for fixed internal wiring in appliances, switch gear and control gear with maximum voltage of 1000 V (DC) or 750 V (AC) to earth. Especially for circumstances where it is required to have insulated conductors with a low emission of smoke and corrosive gases in case of fire.

### STANDARDS

EN 60228                EN 60332-3  
EN 50525-2-31        EN 61034  
EN 50575:2014        EN 60754  
EN 60332-1-2

### CONSTRUCTION

**Cable shape**                Round  
**Conductor**                 Stranded annealed copper conductor (class 2)  
**Insulation**                 Halogen-free compound

### MARKING OF CORES

Colors according to agreement

### PROPERTIES

Maximum conductor temperature                +70°C  
Minimum handling temperature                -10°C  
Maximum short circuit temperature            +160°C  
CPR class    cross sections 1,5 - 2,5 mm<sup>2</sup>: Dca-s2d2a2  
   cross sections 6 - ...mm<sup>2</sup>: Cca-s1d1a1  
UV-resistance                                        None

| conductor cross section [mm <sup>2</sup> ] | Outer diameter ca [mm] | Cable weight [kg/km] | Resistance [Ω/km] | Min final single bending radius [mm] | Min bending radius during installation [mm] |
|--|------------------------|----------------------|-------------------|--------------------------------------|---|
| 1,5  | 3                      | 21                   | 12,1              | 6                                    | 12  |
| 2,5  | 3,5                    | 33                   | 7,41              | 7                                    | 13  |
| 6  | 5                      | 65                   | 3,08              | 10                                   | 19  |
| 10   | 6                      | 111                  | 1,83              | 12                                   | 24  |
| 16   | 7,5                    | 169                  | 1,15              | 15                                   | 29  |
| 25   | 9                      | 267                  | 0,727             | 27                                   | 45  |
| 35   | 10                     | 357                  | 0,524             | 30                                   | 50  |
| 50   | 12                     | 492                  | 0,387             | 36                                   | 59  |
| 70   | 13                     | 680                  | 0,268             | 52                                   | 78  |
| 95   | 15,5                   | 932                  | 0,193             | 62                                   | 92  |