

**SECURI-FLAME F FE180/PH90 white,
tube extruded, UV resistant**

Fire resistant, halogen-free cable 300/500V



Technical data:

Temperature range:

Fixed installation: -30°C up to 80°C
During installation: -10°C up to 50°C

Operating voltage: 300/500V

Test voltage: 2000 V

Min. bending radius: 8 x Ø

Cable construction:

Cores: bare multi-stranded copper conductor class 5 acc to: PN-EN 60228

Insulation: special ceramic silicone rubber

Outer sheath: halogen-free polymer compound

Sheath colour: white, UV resistant

Application:

Halogen-free fire resistant cables are designed for installations in places where it is necessary to ensure operation of devices under fire conditions. They are recommended for emergency lighting installations, smoke extraction systems, alarm systems, signalling systems, sound warning and control systems, fire alarm signaling and automation and other safety ensuring circuits.

Cable characteristics:

- fire resistant
- halogen-free
- flame retardant
- no corrosive gases (acidity pH > 4,3; conductivity < 10 uS/mm)
- low smoke emission (light transmittance over 60%)
- increased insulation resistance (FE180)
- fire integrity function (PH90)
- low fire load (calorific value)

Tests:

Flame test for a single insulated cable:
IEC | EN 60332-1-2 , IEC | EN 60332-2-2
Flame test for vertically-mounted bunched cables:
PN-EN 60332-3-22, IEC 60332-3 cat.A
Emission of corrosive gases during burning:
IEC 60754 - 2, PN-EN 50267
Smoke density emission during burning :
PN-EN 61034-2, IEC 61034-2
Insulation resistance to long term fire exposure
FE180:
IEC 60331-11, IEC 60331-21, IEC 60331-23
Fire integrity function of cable installations (PH90):
IEC 60331-2 / EN 50200



| n x mm2 | outer diameter [mm2] | Approximate cable weight [kg/km] | Cu [kg/km] |
|----------|----------------------|----------------------------------|------------|
| 1x2x0,75 | 5,7 | 38 | 14,4 |
| 2x2x0,75 | 28,8 | 64 | 28,8 |
| 4x2x0,75 | 57,6 | 132 | 57,6 |

COFERRO CABLES A/S