

## ALUflex® PUR

### ALUflex® PUR - THE FLEXIBLE ALUMINIUM CABLE

ALUflex® PUR is used as a supply cable for building switchboards and is highly resistant at the construction site due to the robust jacket of PUR.

ALUflex® PUR is incredibly flexible and the weight is reduced by approximately 50% compared to similar copper cables. Metal value is somewhat lower than the coveted copper cables which are targeted by burglars these days.

The low weight also leads to an improved working environment by manual handling of the cable.

ALUflex® PUR can be used in both dry, damp and wet environments and is furthermore suitable for installation in cable ducts, trays and channels, and inside and outside buildings.

ALUflex® PUR has a very high resistance to abrasion, it is oil resistant acc. to DIN 60811-404, and it is UV-resistant.

#### Benefits

- |                       |                                |
|-----------------------|--------------------------------|
| ✓ LOW WEIGHT          | ✓ UV-RESISTANT                 |
| ✓ FLEXIBLE            | ✓ CONDUCTOR TEMP. 90°C         |
| ✓ OIL RESISTANT       | ✓ NOT INTERESTING FOR BURGLARS |
| ✓ WITHSTANDS MOISTURE | ✓ HIGH ABRASION RESISTANCE     |



# ALUflex® PUR

LOW VOLTAGE 0,6/1 kV

Based on:

HD 603 S1



## DESIGN

ALUflex® PUR - the flexible aluminium cable

### Conductor

Aluminium (DIN 1712)

### Conductor color

5 conductors ..... green/yellow, blue, brown, black, grey

### Isolation

XLPE 1 mm

### Outer jacket

PUR, grey jacket RAL 7000, running meters

### Dimensions

5G16 mm<sup>2</sup>

## APPLICATION

ALUflex® PUR is particularly useful as supply cable to building switchboards and has a robust jacket of PUR, which makes it even more resistant.

A major advantage of the cable is that it is not attractive to burglars compared with the very coveted copper cables.

## ❖ CHARACTERISTICS



Min. working temp. -40°



Max. working temp. 90°



Max. short circuit temp. +250°



Bending radius 10x



Low voltage cable



UV resistant



Metermærk



Flexible



Resistant towards oils and chemicals



Abrasion resistant

## ❖ INSTALLATION CONDITIONS



Withstands moisture



Withstands freezing



For permanent outdoor installation



Outdoor de-commissioning



Can lay in tubes