

**ÖLFLEX® STATIC CY black**DB 460023  
valid from: 27.03.2012**Application**

ÖLFLEX® STATIC CY black cables are low-cost, double insulated single cores for fixed installation and occasional flexible use indoors and outdoors. They are among others designed for use in dry and damp rooms subject to slight mechanical load conditions.

Outdoor use is possible only within the indicated operating temperature range. Due to the double insulation, no additional protection such as a closed cable duct or protective conduit is required in free installation. The screen is a protection against electrical interference, thereby the high degree of the coverage offers very good EMC performance.

Application range:

Especially suitable for power circuits as external connection or for internal wiring of electric and electronic equipment, in the photovoltaic sector e.g. indoors as connection to the inverter.

**Design**

Conductor	fine wire strands of bare copper acc. to IEC 60228 resp. VDE 0295, Class 5
Core insulation	PVC compound, colour: Black
Screen	nonwoven wrapping/plastic foil braid of tinned copper wires coverage = 85 % (nominal value)
Outer sheath	PVC compound, colour: Black, similar RAL 9005

**Electrical properties at 20 °C**

Nominal voltage	600 / 1000 V
Test voltage	Core/screen: 2000 V AC
Specific insulation resistance	> 20 G $\Omega$ x cm

**Mechanical and thermal properties**

Min. bending radius	occasional flexing: 12,5 x cable diameter fixed installation: 6 x cable diameter
Temperature range	occasional flexing: -30 °C up to +70 °C max. conductor temperature fixed installation: -40 °C up to +80 °C max. conductor temperature
Flammability	flame retardant in acc. with IEC 60332-1-2 resp. VDE 0482-332-1-2
UV resistance	acc. to EN ISO 4892-2:2006, method A, DIN EN 50289-4-17 (VDE 0819-289-4-17), method A
Oil resistance	acc. to VDE 0819-102, TM54
Tests	acc. to IEC 60811, EN 50395, EN 50396
EC-Directives	This cable is conform to the EC-Directives 2006/95/EC (Low Voltage Directive) and ECD 2002/95/EC (RoHS, Restriction of the use of certain hazardous substances).