

**ÖLFLEX® STATIC CY black 1X70****Article No.:** 4600027Single conductor cable; 1X70; U<sub>0</sub>/U: 0,6/1 kV; PVC; Shielded; Fixed Installation**Details****Notes**

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

**Remarks****Technical Data****General information**

Brand

ÖLFLEX®

Product type	Single conductor cable
Copper index	5127.15 lb/10000 ft
Industry segment	Machine Tools

#### Electrical parameters

Nominal voltage	U <sub>0</sub> /U: 0,6/1 kV AC rms according to IEC
Test voltage conductor/shielding	2 kV

#### Product design

Cable dimension	1X70
Nominal cross section conductor (mm <sup>2</sup> )	70 mm <sup>2</sup>
Conductor material	Bare Copper
Conductor design	IEC 60228 class 5: fine-wire
Including protective ground	No
Number of cores	1
Shielded	Yes
Nominal outer diameter	0.736 in
Cable form	Round
Core insulation base material	Polyvinylchloride
Conductor insulation basic material, short form	PVC
Basic material of outer jacket	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Outer jacket color	black

#### Product features

Application area	Fixed Installation Flexible
For torsional load	No
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	4.417 in

Minimum bending radius, occasionally moved	12.5 x outer diameter
Minimum bending radius in mm, occasionally moved	9.205 in
Temperature, fixed installation	-40 °C to +80 °C max. conductor temperature
Temperature, occasionally moved	-30 °C to 70 °C max. conductor temperature
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	Yes
UV-resistant according to	EN ISO 4892-2
weather resistant	Yes
Weather-resistant according to	ISO 4892-2
Halogenfree	No
Oil resistant	Yes
Oil resistance according to	EN 50290-2-22: TM 54
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

#### Certifications and standards

CE marking	Yes
VDE certified	No

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Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm <sup>2</sup> )	Nominal outer diameter	Copper index
4600023	ÖLFLEX® STATIC CY black 1X16	1	No	16 mm <sup>2</sup>	0.406 in	1189.39 lb/10000 ft
4600024	ÖLFLEX® STATIC CY black 1X25	1	No	25 mm <sup>2</sup>	0.5 in	1794.17 lb/10000 ft
4600025	ÖLFLEX® STATIC CY black 1X35	1	No	35 mm <sup>2</sup>	0.563 in	2580.37 lb/10000 ft
4600026	ÖLFLEX® STATIC CY black 1X50	1	No	50 mm <sup>2</sup>	0.665 in	3608.49 lb/10000 ft
4600027	ÖLFLEX® STATIC CY black 1X70	1	No	70 mm <sup>2</sup>	0.736 in	5127.15 lb/10000 ft
4600028	ÖLFLEX® STATIC CY black 1X95	1	No	95 mm <sup>2</sup>	0.854 in	6800.36 lb/10000 ft

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