

ÖLFLEX® 191 CY 4G6,0

Article No.: 30010548

Power and control cable; 4G6; U_0/U : 300/500 V; PVC; Core identification: Numbers; Shielded; UL listed; Flexible



Details

Benefits

- Ideal protection against electromagnetic interference thanks to copper shielding braiding with a high degree of coverage.
- Cable with multiple certifications enables universal use and reduces the number of parts, therefore guaranteeing logistics savings.
- UL/CSA certification according to technical data enables the product to be used on the North American market.
- Available in conductor cross-sections up to 120 mm².
- Space-saving due to reduced wall thicknesses.
- High oil resistance according to DIN EN 50363-4-1 (TM5).
- Additional robustness thanks to the extruded inner jacket.
- High electrical safety thanks to 4000 V test voltage.

Application

- For universal use for wiring machine-internal and cross-plant control circuits.
- For fixed installation and occasional flexing without tensile strain.
- Can be used in dry, damp and particularly in oily environments.
- Suitable for medium mechanical stress.
- The PVC outer jacket is resistant to acids and alkaline solutions.

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	Power and control cable
Copper index	2130.6 lb/10000 ft
Industry segment	Construction Machinery Food & Beverage Healthcare & Pharma Heating, Ventilation, Air Conditioning & Refrigeration Intralogistics & Material handling Lifts & Elevators Machine Tools Packaging Process Industry Ships & boats

Electrical parameters

Nominal voltage	U_0/U : 300/500 V AC rms according to IEC
Rated voltage	600 V AC rms according to UL/CSA

Product design

Cable dimension	4G6
Nominal cross section conductor (mm ²)	6 mm ²
Nominal cross section conductor (AWG)	10 AWG
Including protective ground	Yes
Number of cores	4
Shielded	Yes
Type of overall shielding	Tin-plated copper braiding
Nominal outer diameter	0.622 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	gray
Core identification	Numbers

Product features

Application area	Flexible Fixed Installation
For torsional load	No
Minimum bending radius, stationary	6 x outer diameter
Minimum bending radius in inch, fixed installation	3.732 in
Minimum bending radius, occasionally moved	20 x outer diameter
Minimum bending radius in mm, occasionally moved	12.441 in
Temperature, fixed installation	to 90 °C max. conductor temperature according to CSA AWM -40 °C to 70 °C max. conductor temperature to 90 °C max. conductor temperature according to UL AWM

Temperature, occasionally moved	-5 °C to 70 °C max. conductor temperature to 90 °C max. conductor temperature according to UL AWM to 90 °C max. conductor temperature according to CSA AWM
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2 UL Cable Flame Test UL VW-1 CSA FT1
UV-resistant	No
Chemical resistant	Yes
Halogenfree	No
Oil resistant	Yes
Oil resistance according to	EN 50363-4-1: TM5 UL 80°C (176°F) rating according to UL 758 CSA C22.2 No. 210-15
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L

Certifications and standards

CE marking	Yes
EAC certified	Yes
EAC certification number	EA3C RU C-DE.A1064.B.00091/19
UL recognized	Yes
UL AWM certification	21098 according to UL 758 (e-file number: E63634)
UL listed	Yes
cUR recognized	No
cUL listed	No
CSA certified	Yes
CSA certification	AWM II A according to CSA C22.2 No. 210 AWM I A according to CSA C22.2 No. 210 AWM II B according to CSA C22.2 No. 210 AWM I B according to CSA C22.2 No. 210
VDE certified	No
HAR-certified	No

CPR fire class	Dca
CPR smoke density	s3
CPR droplets	d0
CPR acidity	a3
Resistance to flame propagation tested according to UN/ECE-R118	No
Ecolab certified	No

ÖLFLEX® 191 CY

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
0011180	ÖLFLEX® 191 CY 3G1,0	3	Yes	1 mm ²	0.346 in	374.9 lb/10000 ft
0011181	ÖLFLEX® 191 CY 4G1	4	Yes	1 mm ²	0.378 in	178.13 lb/10000 ft
0011182	ÖLFLEX® 191 CY 5G1,0	5	Yes	1 mm ²	0.406 in	600.7 lb/10000 ft
0011183	ÖLFLEX® 191 CY 7G1	7	Yes	1 mm ²	0.441 in	220.24 lb/10000 ft
0011184	ÖLFLEX® 191 CY 12G1,0	12	Yes	1 mm ²	0.575 in	1180.5 lb/10000 ft
0011185	ÖLFLEX® 191 CY 18G1,0	18	Yes	1 mm ²	0.669 in	532.85 lb/10000 ft
0011186	ÖLFLEX® 191 CY 25G1,0	25	Yes	1 mm ²	0.791 in	2295.9 lb/10000 ft
0011187	ÖLFLEX® 191 CY 3G1,5	3	Yes	1.5 mm ²	0.378 in	598.7 lb/10000 ft
0011188	ÖLFLEX® 191 CY 4G1,5	4	Yes	1.5 mm ²	0.406 in	649.1 lb/10000 ft
0011189	ÖLFLEX® 191 CY 5G1,5	5	Yes	1.5 mm ²	0.445 in	245.15 lb/10000 ft
0011190	ÖLFLEX® 191 CY 7G1,5	7	Yes	1.5 mm ²	0.476 in	975.6 lb/10000 ft
0011191	ÖLFLEX® 191 CY 12G1,5	12	Yes	1.5 mm ²	0.634 in	1726.8 lb/10000 ft
0011192	ÖLFLEX® 191 CY 18G1,5	18	Yes	1.5 mm ²	0.736 in	843.92 lb/10000 ft
0011193	ÖLFLEX® 191 CY 25G1,5	25	Yes	1.5 mm ²	0.906 in	1204.15 lb/10000 ft
0011194	ÖLFLEX® 191 CY 3G2,5	3	Yes	2.5 mm ²	0.413 in	244.93 lb/10000 ft
0011195	ÖLFLEX® 191 CY 4G2,5	4	Yes	2.5 mm ²	0.449 in	944.7 lb/10000 ft
0011196	ÖLFLEX® 191 CY 5G2,5	5	Yes	2.5 mm ²	0.504 in	368.83 lb/10000 ft
0011197	ÖLFLEX® 191 CY 7G2,5	7	Yes	2.5 mm ²	0.555 in	529.1 lb/10000 ft
0011202	ÖLFLEX® 191 CY 2X1,0	2	No	1 mm ²	0.331 in	322.5 lb/10000 ft
0011234	ÖLFLEX® 191 CY 7G0,75	7	Yes	0.75 mm ²	0.413 in	577.2 lb/10000 ft
0011302	ÖLFLEX® 191 CY 2X1,5	2	No	1.5 mm ²	0.354 in	434.7 lb/10000 ft
30010543	ÖLFLEX® 191 CY 18G2,5	18	Yes	2.5 mm ²	0.866 in	1380.3 lb/10000 ft
30010544	ÖLFLEX® 191 CY 4G4,0	4	Yes	4 mm ²	0.535 in	1590.4 lb/10000 ft
30010545	ÖLFLEX® 191 CY 5G4,0	5	Yes	4 mm ²	0.587 in	1866.72 lb/10000 ft
30010547	ÖLFLEX® 191 CY 7G6,0	7	Yes	6 mm ²	0.74 in	1242.95 lb/10000 ft
30010548	ÖLFLEX® 191 CY 4G6,0	4	Yes	6 mm ²	0.622 in	2130.6 lb/10000 ft
30010639	ÖLFLEX® 191 CY 4G16	4	Yes	16 mm ²	0.972 in	1805.79 lb/10000 ft
30010928	ÖLFLEX® 191 CY 4G35	4	Yes	35 mm ²	1.248 in	11308.1 lb/10000 ft
3023130	ÖLFLEX® 191 CY 5G6,0	5	Yes	6 mm ²	0.681 in	912.04 lb/10000 ft
3023131	ÖLFLEX® 191 CY 4G10	4	Yes	10 mm ²	0.768 in	3698.1 lb/10000 ft

Article No.	Name	Number of cores	Including protective ground	Nominal cross section conductor (mm ²)	Nominal outer diameter	Copper index
3023132	ÖLFLEX® 191 CY 4G25	4	Yes	25 mm ²	1.13 in	7827.6 lb/10000 ft
3025946	ÖLFLEX® 191 CY 4G70	4	Yes	70 mm ²	1.764 in	21695.7 lb/10000 ft
3025947	ÖLFLEX® 191 CY 4G95	4	Yes	95 mm ²	1.969 in	26945.68 lb/10000 ft
3026535	ÖLFLEX® 191 CY 4G50	4	Yes	50 mm ²	1.563 in	5163.17 lb/10000 ft
3026536	ÖLFLEX® 191 CY 4G120	4	Yes	120 mm ²	2.413 in	33679.04 lb/10000 ft

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