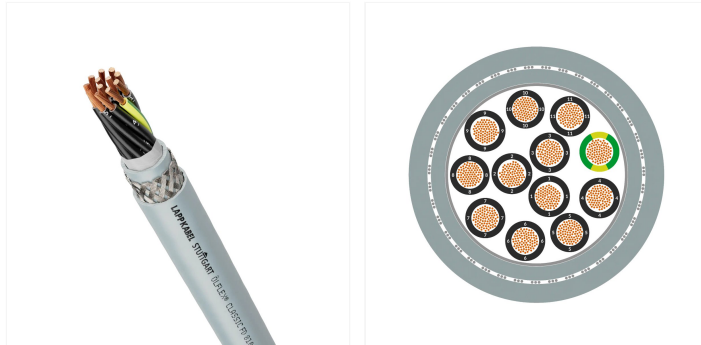


ÖLFLEX® CLASSIC FD 810 CY 5G1,5**Article No.:** 0026252

Power and control cable; 5G1.5; Core-Line; U_0/U : 300/500 V; PVC; Core identification: Numbers; Shielded; Cable chain

**Details****Benefits**

- Ideal protection against electromagnetic interference thanks to copper stranded shielding with a high degree of coverage.

Application

- For use in control, regulation and measurement circuits.
- Can be used in dry and damp spaces.
- Suitable for medium mechanical stress.
- The PVC outer sheath is resistant to acids and alkalis and has limited oil resistance.

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 surcharges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive further 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

For use in cable chains: please follow the T3 technical assembly guidelines

Bending cycles and application parameters: please refer to the A2-1 selection table

Technical Data

General information

Brand	ÖLFLEX®
Product type	Power and control cable
Weight	201 kg/km
Copper index	112 kg/km
Performance class	Core-Line

Electrical parameters

Nominal voltage	U_0/U : 300/500 V AC rms according to IEC
test voltage conductor/conductor	4 kV
Test voltage core/screening	4 kV
Current rating according to	VDE 0298-4
Max. conductor resistance at 20°C	13.3 Ω /km
Mutual capacitance core/core (800Hz), approx.	145 nF/km
Mutual capacitance core/shield (800Hz), approx.	225 nF/km
Inductance (800 Hz), approx.	0.635 mH/km

Product design

Cable dimension	5G1.5
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Conductor cross-section (mm ²)	1.5 mm ²
Conductor material	Bare copper
Conductor design	IEC 60228 class 6: extra-fine wire
Including protective conductor	Yes
Number of cores	5
Stranding type	Layered stranding
Wrapping over stranding	Fleece wrapping
Shielded	Yes
Type of overall screen	Tin-plated copper braiding
Nominal outer diameter	10.9 mm
Shape of cable	Round
Core insulation base material	Polyvinylchloride
Core insulation base material, shortname	PVC
Basic material of inner sheath	Polyvinylchloride
base material inner sheath shortname	PVC
colour inner sheath	grey
Base material of outer sheath	Polyvinylchloride
Base material of outer sheath, shortname	PVC
Cable sheath colour	grey
Cable insulation RAL colour	RAL 7001
Core identification	Numbers
Core colour code	EN 50334 VDE 0293-1

Product features

Application area	Cable chain Flexible
For continuous flexing	Yes
For torsional load	No
Minimum bending radius, stationary	4 x outer diameter
Minimum bending radius in mm, fixed installation	43.6 mm
Minimum bending radius, dynamic permanently moved	7.5 x outer diameter

Minimum bending radius in mm, dynamic continuously flexing	81.8 mm
Minimum bending radius, occasionally moved	7.5 x outer diameter
Minimum bending radius in mm, occasionally flexing	81.8 mm
Maximum bending cycles	7,000,000
Maximum travel distance	20 m
Maximum speed sliding	5 m/s
Maximum speed unsupported	10 m/s
Maximum acceleration	20 m/s ²
Temperature, fixed installation	-40 °C to 80 °C
Temperature, occasionally moved	0 °C to 70 °C
Temperature, dynamic continuously flexing	0 °C to 70 °C
Flame-retardant	Yes
Flame retardance according to	IEC 60332-1-2
UV-resistant	No
Halogenfree	No
Oil-resistant	No
PWIS-free	Yes
PWIS-free according to	VDMA 24364-B2-L
Low-adhesion sheath surface	Yes

Certifications and standards

CE marked	Yes
EAC-certified	Yes
EAC certification number	EAЭC N RU Д-DE.АЮ64.В.00130/20
Flame retardance tested according to UN /ECE-R118	No

ÖLFLEX® CLASSIC FD 810 CY

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
0026200	ÖLFLEX® CLASSIC FD 810 CY 2X0,5	2	No	0.5 mm ²	6.9 mm	33 kg/km	83 kg/km
0026201	ÖLFLEX® CLASSIC FD 810 CY 3G0,5	3	Yes	0.5 mm ²	7.3 mm	39 kg/km	96 kg/km
0026202	ÖLFLEX® CLASSIC FD 810 CY 4G0,5	4	Yes	0.5 mm ²	7.9 mm	46 kg/km	101 kg/km
0026203	ÖLFLEX® CLASSIC FD 810 CY 5G0,5	5	Yes	0.5 mm ²	8.4 mm	54 kg/km	117 kg/km
0026204	ÖLFLEX® CLASSIC FD 810 CY 7G0,5	7	Yes	0.5 mm ²	9.8 mm	70 kg/km	161 kg/km
0026205	ÖLFLEX® CLASSIC FD 810 CY 12G0,5	12	Yes	0.5 mm ²	11.3 mm	100 kg/km	224 kg/km
0026206	ÖLFLEX® CLASSIC FD 810 CY 18G0,5	18	Yes	0.5 mm ²	13.4 mm	153 kg/km	310 kg/km
0026207	ÖLFLEX® CLASSIC FD 810 CY 25G0,5	25	Yes	0.5 mm ²	15.9 mm	202 kg/km	394 kg/km
0026208	ÖLFLEX® CLASSIC FD 810 CY 30G0,5	30	Yes	0.5 mm ²	16.5 mm	228 kg/km	432 kg/km
0026219	ÖLFLEX® CLASSIC FD 810 CY 2X0,75	2	No	0.75 mm ²	7.3 mm	39 kg/km	106 kg/km
0026220	ÖLFLEX® CLASSIC FD 810 CY 3G0,75	3	Yes	0.75 mm ²	7.8 mm	48 kg/km	98 kg/km
0026221	ÖLFLEX® CLASSIC FD 810 CY 4G0,75	4	Yes	0.75 mm ²	8.4 mm	59 kg/km	118 kg/km
0026222	ÖLFLEX® CLASSIC FD 810 CY 5G0,75	5	Yes	0.75 mm ²	9 mm	69 kg/km	141 kg/km
0026223	ÖLFLEX® CLASSIC FD 810 CY 7G0,75	7	Yes	0.75 mm ²	10.7 mm	90 kg/km	201 kg/km
0026224	ÖLFLEX® CLASSIC FD 810 CY 12G0,75	12	Yes	0.75 mm ²	12.4 mm	129 kg/km	267 kg/km
0026226	ÖLFLEX® CLASSIC FD 810 CY 18G0,75	18	Yes	0.75 mm ²	14.9 mm	205 kg/km	368 kg/km
0026227	ÖLFLEX® CLASSIC FD 810 CY 25G0,75	25	Yes	0.75 mm ²	17.4 mm	271 kg/km	527 kg/km
0026229	ÖLFLEX® CLASSIC FD 810 CY 30G0,75	30	Yes	0.75 mm ²	18 mm	320 kg/km	549 kg/km
0026230	ÖLFLEX® CLASSIC FD 810 CY 2X1	2	No	1 mm ²	7.7 mm	46 kg/km	108 kg/km
0026231	ÖLFLEX® CLASSIC FD 810 CY 3G1	3	Yes	1 mm ²	8.2 mm	57 kg/km	115 kg/km
0026232	ÖLFLEX® CLASSIC FD 810 CY 4G1	4	Yes	1 mm ²	8.9 mm	70 kg/km	132 kg/km
0026233	ÖLFLEX® CLASSIC FD 810 CY 5G1	5	Yes	1 mm ²	9.8 mm	81 kg/km	171 kg/km
0026234	ÖLFLEX® CLASSIC FD 810 CY 7G1	7	Yes	1 mm ²	11.4 mm	110 kg/km	226 kg/km
0026235	ÖLFLEX® CLASSIC FD 810 CY 12G1	12	Yes	1 mm ²	13.4 mm	182 kg/km	324 kg/km
0026238	ÖLFLEX® CLASSIC FD 810 CY 18G1	18	Yes	1 mm ²	16.1 mm	254 kg/km	454 kg/km
0026239	ÖLFLEX® CLASSIC FD 810 CY 25G1	25	Yes	1 mm ²	18.8 mm	365 kg/km	755 kg/km
0026240	ÖLFLEX® CLASSIC FD 810 CY 26G1	26	Yes	1 mm ²	18.8 mm	374 kg/km	768 kg/km
0026241	ÖLFLEX® CLASSIC FD 810 CY 34G1	34	Yes	1 mm ²	21.5 mm	463 kg/km	811 kg/km
0026242	ÖLFLEX® CLASSIC FD 810 CY 41G1	41	Yes	1 mm ²	23.2 mm	542 kg/km	970 kg/km
0026243	ÖLFLEX® CLASSIC FD 810 CY 50G1	50	Yes	1 mm ²	25.3 mm	640 kg/km	1308 kg/km

Article No.	Name	Number of cores	Including protective conductor	Conductor cross-section (mm ²)	Nominal outer diameter	Copper index	Weight
0026249	ÖLFLEX® CLASSIC FD 810 CY 2X1,5	2	No	1.5 mm ²	8.4 mm	58 kg/km	118 kg/km
0026250	ÖLFLEX® CLASSIC FD 810 CY 3G1,5	3	Yes	1.5 mm ²	9 mm	75 kg/km	142 kg/km
0026251	ÖLFLEX® CLASSIC FD 810 CY 4G1,5	4	Yes	1.5 mm ²	9.9 mm	91 kg/km	171 kg/km
0026252	ÖLFLEX® CLASSIC FD 810 CY 5G1,5	5	Yes	1.5 mm ²	10.9 mm	112 kg/km	201 kg/km
0026253	ÖLFLEX® CLASSIC FD 810 CY 7G1,5	7	Yes	1.5 mm ²	12.7 mm	145 kg/km	287 kg/km
0026254	ÖLFLEX® CLASSIC FD 810 CY 12G1,5	12	Yes	1.5 mm ²	15.1 mm	247 kg/km	424 kg/km
0026255	ÖLFLEX® CLASSIC FD 810 CY 16G1,5	16	Yes	1.5 mm ²	16.8 mm	314 kg/km	503 kg/km
0026256	ÖLFLEX® CLASSIC FD 810 CY 18G1,5	18	Yes	1.5 mm ²	17.8 mm	348 kg/km	621 kg/km
0026257	ÖLFLEX® CLASSIC FD 810 CY 25G1,5	25	Yes	1.5 mm ²	21.2 mm	498 kg/km	833 kg/km
0026259	ÖLFLEX® CLASSIC FD 810 CY 34G1,5	34	Yes	1.5 mm ²	23.9 mm	700 kg/km	1281 kg/km
0026270	ÖLFLEX® CLASSIC FD 810 CY 3G2,5	3	Yes	2.5 mm ²	10.8 mm	119 kg/km	211 kg/km
0026271	ÖLFLEX® CLASSIC FD 810 CY 4G2,5	4	Yes	2.5 mm ²	11.8 mm	161 kg/km	247 kg/km
0026272	ÖLFLEX® CLASSIC FD 810 CY 5G2,5	5	Yes	2.5 mm ²	13.2 mm	194 kg/km	307 kg/km
0026273	ÖLFLEX® CLASSIC FD 810 CY 7G2,5	7	Yes	2.5 mm ²	15.8 mm	262 kg/km	456 kg/km
0026281	ÖLFLEX® CLASSIC FD 810 CY 4G4	4	Yes	4 mm ²	13.7 mm	238 kg/km	352 kg/km
0026282	ÖLFLEX® CLASSIC FD 810 CY 5G4	5	Yes	4 mm ²	15.3 mm	280 kg/km	451 kg/km
0026283	ÖLFLEX® CLASSIC FD 810 CY 4G6	4	Yes	6 mm ²	16.1 mm	318 kg/km	506 kg/km
0026285	ÖLFLEX® CLASSIC FD 810 CY 4G10	4	Yes	10 mm ²	20.4 mm	521 kg/km	800 kg/km
0026287	ÖLFLEX® CLASSIC FD 810 CY 4G16	4	Yes	16 mm ²	23.2 mm	780 kg/km	1131 kg/km

V1.1