

ÖLFLEX® FD 855 CP

Screened, TPE -insulated, numbered, TPE-inner sheath, PUR -outer sheath



Info

- MUD res. acc. IEC61892-4 Annex D
- Flexible down to -40 °C
- EMC optimised

Benefits

- Well-proven, reliable
- Wide range use
- All-weather control cable

Application range

- In power chains or moving machine parts
- Especially in wet areas of machine tools and transfer lines subject to average mechanical stress
- Mechanical engineering
- Construction machinery
- Assembly lines, production lines, in all kinds of machines

Product features

- Low adhesive surface
- Oil resistant
- Halogen-free and flame retardant (IEC 60332-1-2)

- In dry, damp or wet interiors under medium mechanical load conditions
- Designed for up to 5 million bending change cycles in the power chain

Approvals (Norm references)



- For travel distances up to 100 m (horizontal)
- Usage in Power Chains: Please comply with the assembly guidelines Appendix T3

Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: TPE
- Cores twisted together in extremely short lay lengths
- Nonwoven wrapping
- Inner sheath: TPE
- Tinned copper braid
- Polyurethane sheath (PUR), grey (RAL 7001)

Technical data

- Core identification code**
Black with white numbers acc. to VDE 0293
- Based on**
VDE 0250/0281/0282
- Specific insulation resistance**
> 20 GOhm x cm
- Conductor stranding**
Extra fine wire in acc. to VDE 0295 Cl.6 / IEC 60228 Cl.6
- Minimum bending radius**
For flexible applications: 7.5 x outside diameter
Static:
4 x cable diameter
- Rated voltage**
300/500 V
- Test voltage**
3000 V
- Protective conductor**
G = with protective conductor GN/YE
X = without protective conductor
- Range of temperature**
Flexing: -40°C up to +80°C
Fixed installation: -50°C up to +80 °C
During installation: -40°C up to +80 °C

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® FD 855 CP				
0027605	2 X 0.5	7.1	32.0	67
0027606	3 G 0.5	7.4	40.0	79
0027607	5 G 0.5	8.6	53.0	107
0027608	6 G 0.5	9.1	59.0	121
0027609	7 G 0.5	9.8	67.0	132
0027610	12 G 0.5	11.5	97.0	190
0027611	18 G 0.5	13.3	131.0	245
0027612	20 G 0.5	13.9	156.0	281
0027613	25 G 0.5	16.2	190.0	367
0027615	30 G 0.5	16.4	222.0	408
0027616	36 G 0.5	17.4	251.0	459
0027620	2 X 0.75	7.7	40.0	79
0027621	3 G 0.75	8.0	47.0	96
0027622	4 G 0.75	8.6	58.0	112
0027623	5 G 0.75	9.4	65.0	126
0027624	7 G 0.75	11.1	85.0	165
0027625	12 G 0.75	12.7	127.0	231
0027626	18 G 0.75	15.0	198.0	330
0027628	25 G 0.75	18.2	259.0	459
0027630	36 G 0.75	20.0	348.0	605
0027635	2 X 1	8.0	45.0	93
0027636	3 G 1	8.5	55.0	109
0027637	4 G 1	9.2	68.0	126

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
0027638	5 G 1	10.0	81.0	147
0027639	7 G 1	11.8	106.0	196
0027640	12 G 1	13.6	175.0	292
0027641	18 G 1	16.6	242.0	418
0027643	25 G 1	19.9	329.0	575
0027645	30 G 1	20.2	377.0	635
0027646	36 G 1	21.8	467.0	758
0027649	2 X 1.5	8.6	58.0	115
0027650	3 G 1.5	9.3	76.0	139
0027661	4 G 1.5	10.2	91.0	156
0027651	5 G 1.5	11.3	111.0	198
0027652	7 G 1.5	12.9	145.0	254
0027653	12 G 1.5	15.4	242.0	416
0027654	18 G 1.5	18.1	346.0	564
0027656	25 G 1.5	22.0	486.0	811
0027659	36 G 1.5	24.3	655.0	1,066
0027380	3 G 2.5	11.1	110.0	194
0027381	4 G 2.5	12.1	136.0	234
0027382	5 G 2.5	13.2	180.0	293
0027383	7 G 2.5	16.1	246.0	418
0027384	12 G 2.5	18.5	377.0	629
0027385	18 G 2.5	22.1	569.0	912
0027386	25 G 2.5	26.3	765.0	1,266

Copper price basis: EUR 150 / 100 kg; For utilization and definition of ‚Metal price basis‘ and ‚Metal index‘ see Appendix T17
 Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
 Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum
 Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Comparable products

- ÖLFLEX® FD ROBUST C see page 122

Accessories

- SILVYN® CHAIN Cable protection and guiding systems