

ÖLFLEX® FD 855 P

TPE-insulated, numbered, PUR sheath



Info

- MUD res. acc. IEC61892-4 Annex D
- Flexible down to -40 °C
- Smallest bending radii of all FD cables



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
- 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 according to VDE 0295
Class 6 / IEC 60228 Class 6

Minimum bending radius
For flexible applications: 5 x outside diameter
Fixed installation: 3 x outer 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 P				
0027530	2 X 0.5	5.4	10.0	34
0027531	3 G 0.5	5.9	14.0	40
0027532	5 G 0.5	6.9	24.0	55
0027533	6 G 0.5	7.4	29.0	63
0027534	7 G 0.5	8.0	34.0	76
0027535	12 G 0.5	9.5	58.0	114
0027536	18 G 0.5	11.3	86.0	165
0027537	20 G 0.5	11.9	96.0	180
0027538	25 G 0.5	13.8	120.0	219
0027540	30 G 0.5	14.0	144.0	251
0027541	36 G 0.5	15.1	173.0	290
0027545	2 X 0.75	5.9	14.0	42
0027546	3 G 0.75	6.4	22.0	50
0027547	4 G 0.75	7.0	29.0	60
0027548	5 G 0.75	7.6	36.0	71
0027549	7 G 0.75	9.1	50.0	99
0027550	12 G 0.75	10.7	86.0	158
0027551	18 G 0.75	12.8	130.0	219
0027552	20 G 0.75	13.7	144.0	240
0027553	25 G 0.75	16.0	180.0	309
0027555	36 G 0.75	17.4	259.0	411
0027560	2 X 1	6.3	19.0	50
0027561	3 G 1	6.9	29.0	61
0027562	4 G 1	7.5	38.0	70

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
0027563	5 G 1	8.1	48.0	93
0027564	7 G 1	9.8	67.0	122
0027565	12 G 1	11.6	115.0	196
0027566	18 G 1	14.1	173.0	274
0027567	20 G 1	14.8	192.0	300
0027568	25 G 1	17.3	240.0	385
0027570	30 G 1	17.5	288.0	444
0027571	36 G 1	19.1	346.0	516
0027575	2 X 1.5	7.0	29.0	68
0027576	3 G 1.5	7.6	43.0	83
0027586	4 G 1.5	8.3	58.0	100
0027577	5 G 1.5	9.3	72.0	128
0027578	7 G 1.5	11.1	101.0	177
0027579	12 G 1.5	13.1	173.0	275
0027580	18 G 1.5	15.7	259.0	405
0027582	25 G 1.5	19.3	360.0	565
0027584	30 G 1.5	19.3	432.0	652
0027585	36 G 1.5	21.2	518.0	759
0027587	41 G 1.5	23.0	614.0	978
0027370	3 G 2.5	9.2	72.0	121
0027371	4 G 2.5	10.2	96.0	163
0027372	5 G 2.5	11.4	120.0	196
0027373	7 G 2.5	13.8	168.0	266
0027374	12 G 2.5	16.3	288.0	446
0027375	18 G 2.5	19.4	432.0	665
0027376	25 G 2.5	24.1	600.0	929

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 see page 121

Accessories

- SILVYN® CHAIN Cable protection and guiding systems