Product Description

Space saving installation due to small cable diameters;High electrical performance due to 4kV test voltage



CE RoHS

Application range

- Plant engineering and construction Industrial machinery Air conditioning installations
- Conveying and transport systems
- Servo drives
- In EMI critical environment (electromagnetic interference)

Benefits

- Space saving installation due to small cable diameters
- High electrical performance due to 4kV test voltage

Design

- Fine strands of bare copper wires
- PVC insulation LAPP P8/1
- PVC inner sheath, grey
- Screen made of tinned copper wire braid
- PVC outer sheath, transparent

Product features

- Flame retardant according to IEC 60332-1-2
- Good chemical resistance see Appendix T1
- High coverage degree of the screen low transfer impedance (max. 250 ?/km at 30 MHz)

Cross-References

Accessories

3M Scotch 1183 screening tape, SKINTOP® MS-SC-M BRUSH

Comparable products

ÖLFLEX® SERVO 9YSLCY-JB UL/CSA, ÖLFLEX® SERVO 2YSLCY-JB

Technical Data

Core identification code

Up to 5 cores: According to VDE 0293-308 Appendix T9)

Starting at 6 cores: ÖLFLEX® colour code see Appendix T 7

Based on

IEC 60227-5 HD 21.5 S3

VDE 0281 Part 5

HD 21.13 S1

VDE 0281 Part 13

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5

Minimum bending radius

Occasional flexing: 20 x cable diameter

Fixed installation: 6 x cable diameter

Rated voltage

Up to 1.0 mm²: U0/U: 300/500 V

Starting at 1.5 mm²: U0/U: 450/750 V Fixed, protected installation: U0/U: 600/1000 V

Test voltage

4000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Occasional flexing: -5°C up to +70°C

Fixed installation: -40°C up to +80°C

Article List

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® CLASSIC 100 CY; U0/U: 300/500 V				
0035001	2 X 0,5	7	41	75
0035002	3 G 0,5	7,3	46	83
00350033	4 G 0,5	7,9	55	99
00352013	5 G 0,5	8,4	66	112

0035202	7 G 0,5	8,9	80	132
0035004	2 X 0,75	7,4	46	86
0035005	3 G 0,75	7,9	57	100
00350063	4 G 0,75	8,4	64	115
00350163	5 G 0,75	8,9	77	130
0035203	7 G 0,75	9,7	102	161
0035220	2 X 1	7,9	56	98
0035221	3 G 1	8,2	65	111
00352223	4 G 1	8,7	78	130
00352233	5 G 1	9,5	89	153
0035204	7 G 1	10,2	113	185
ÖLFLEX® CLASSIC 100 CY; U0/U: 450/750 V				
0035000	2 X 1,5	9,9	65	132
0035458	3 G 1,5	10,3	79	170
00354593	4 G 1,5	11,3	97	204
00354603	5 G 1,5	12,6	116	246
0035461	7 G 1,5	13,9	149	320
0035011	3 G 2,5	11,8	146	211
00350173	4 G 2,5	13,5	167	310
00350123	5 G 2,5	14,6	200	326
0035289	7 G 2,5	15,9	288	444
00350183	4 G 4	15,1	237	403
00350133	5 G 4	16,5	328	478
00350193	4 G 6	16,6	318	524
00350143	5 G 6	18,2	441	624
0034953	3 G 10	18,9	414	690
00350213	4 G 10	21,1	558	843
00352903	5 G 10	23,1	714	1004
0034954	3 G 16	21,7	607	910
00350223	4 G 16	23,9	804	1395
00350153	5 G 16	26,8	1050	1812
0034955	3 G 25	26,6	936	1330
00350233	4 G 25	29,4	1289	1903
00350243	5 G 25	32,6	1446	2374
0034956	3 G 35	29,4	1258	1370
00350253	4 G 35	32,4	1693	2489
00350263	5 G 35	36	1975	2771
0034952	3 G 50	35,1	1748	2590
00350273	4 G 50	38,8	2342	3362
00350283	4 G 70	43,7	3035	3719
00350293	4 G 95	50,4	4055	5849

00354303	4 G 120	56,8	5225	7509
00354313	4 G 150	62,2	6300	7800
00354323	4 G 185	67,8	7753	9866