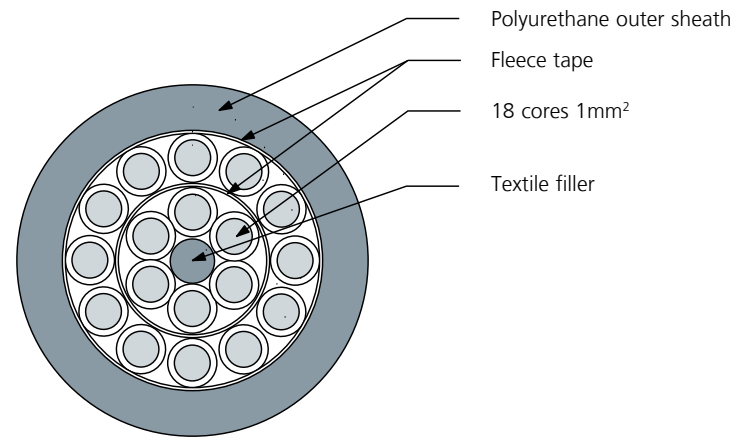


Semoflex® Roboschlepp®

The PUR cable for cable chains

Halogen free

Description



Application

Semoflex® Roboschlepp® is suitable for use in cable chains and continual moving machines as well as robots. The polyurethane outer sheath enables a very small cable outer diameter, high mechanical stresses can be withstood. The cable is abrasion-proof, microbe-proof and flame resistant.

Design

Conductor: plain copper, finest stranded according to VDE 0295 class 6
 Insulation: Semocore®
 Core colour: up to 0,34 mm² according to DIN 47100
 from 0,5 mm² white cores with black numbers
 from 3 cores with green/yellow earth conductor
 Core arrangement: cores twisted around in concentric layers
 Wrapping: fleece
 Sheath: PUR, adhesion-proof
 Sheath colour: grey, preferred RAL 7001
 Imprint: Semoflex® Roboschlepp® core x cross-section

Thermal properties

Maximum temperature
 for flexible installation: - 40°C up to + 90°C
 for fixed operation: - 50°C up to + 90°C

Technical data in case of 20°C

Nominal voltage: 0,14 - 0,34 mm² 350 V
 from 0,5 mm² 300/500 V
 Test voltage: up to 1,5 mm² 2.000 V
 2,5 - 4,0 mm² 2.500 V
 from 6 mm² 3.000 V
 Conductor resistance: according to VDE 0295 class 6
 Insulation resistance: > 20 MOhm x km

Features

Bending radius: flexible application: 5 x cable diameter
 Oil resistance: according to VDE 0472
 Characteristic of combustion: according to VDE 0472 part 804, test type A, IEC 332-2
 Applied standards: similar to VDE 0250

Please take care of our enclosed mounting instructions. You should pay attention to our column 10 - technical applications and mounting instructions.

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Discount: _____

Cross-section mm²	Price Euro / km Base CU 150	CU number kg/km	Outer Ø approx. mm	Weight approx. kg/km
2 x 0,14*	1.045,-	2,9	3,3	11
3 x 0,14*	1.234,-	4,3	3,5	14
4 x 0,14*	1.328,-	5,8	3,7	17
5 x 0,14*	1.587,-	7,2	4,0	20
8 x 0,14*	2.227,-	11,5	5,0	31
12 x 0,14*	3.013,-	17,3	5,7	43
18 x 0,14*	4.025,-	25,9	6,4	58
25 x 0,14*	5.771,-	36,0	7,9	84
2 x 0,25*	1.171,-	4,8	3,8	15
3 x 0,25*	1.401,-	7,2	4,0	20
4 x 0,25*	1.634,-	9,6	4,3	24
5 x 0,25*	1.943,-	12,0	4,6	29
8 x 0,25*	2.976,-	19,2	6,1	48
12 x 0,25*	4.001,-	28,8	6,9	65
18 x 0,25*	5.699,-	43,2	8,1	94
25 x 0,25*	7.428,-	60,0	9,4	125
2 x 0,34*	1.267,-	6,5	4,0	18
3 x 0,34	1.540,-	9,8	4,2	23
4 x 0,34*	1.792,-	13,0	4,5	28
5 x 0,34*	2.265,-	16,3	5,1	36
8 x 0,34*	3.528,-	26,1	6,9	62
12 x 0,34*	4.572,-	39,1	7,3	78
18 x 0,34	6.409,-	58,7	8,6	114
25 x 0,34*	8.455,-	81,5	10,0	150
2 x 0,5	1.481,-	9,6	4,5	24
3 x 0,5	1.738,-	14,4	4,7	28
4 x 0,5	2.221,-	19,2	5,3	38
5 x 0,5	2.885,-	24,0	5,9	49
7 x 0,5	3.688,-	33,6	6,9	65
12 x 0,5	5.682,-	57,6	8,5	102
14 x 0,5	6.585,-	67,2	9,1	116
18 x 0,5*	8.302,-	86,4	9,8	154
25 x 0,5	11.076,-	120,0	11,5	202
30 x 0,5*	12.710,-	144,0	11,9	236
36 x 0,5	14.550,-	172,8	14,0	274
2 x 0,75	1.900,-	14,4	5,3	30
3 x 0,75	2.311,-	21,6	5,5	38
4 x 0,75	2.695,-	28,8	6,0	48
5 x 0,75	3.133,-	36,0	6,5	63
7 x 0,75	4.152,-	50,4	7,6	91
12 x 0,75	6.625,-	86,4	9,3	140
14 x 0,75*	7.565,-	100,8	9,8	160
18 x 0,75	9.261,-	129,6	10,8	199
20 x 0,75	9.884,-	144,0	11,3	230
25 x 0,75	11.829,-	180,0	12,7	275
30 x 0,75*	13.806,-	216,0	13,1	318
36 x 0,75*	17.323,-	259,2	14,6	396

* a production is possible from 1000 meters

Continuation Semoflex® Roboschlepp®

Discount: _____

Halogen free

Cross-section mm ²	Price Euro / km Base CU 150	CU number kg/km	Outer Ø approx. mm	Weight approx. kg/km
2 x 1,0	2.053,-	19,2	5,7	40
3 x 1,0	2.496,-	28,8	6,0	52
4 x 1,0	2.952,-	38,4	6,4	65
5 x 1,0	3.507,-	48,0	7,0	79
7 x 1,0	4.667,-	67,2	8,3	108
8 x 1,0	5.858,-	76,8	9,3	132
12 x 1,0	7.627,-	115,2	10,2	178
14 x 1,0*	9.151,-	134,4	10,6	202
18 x 1,0	10.475,-	172,8	11,8	254
25 x 1,0	14.068,-	240,0	14,0	343
30 x 1,0*	16.896,-	288,0	14,6	409
36 x 1,0	20.110,-	345,6	16,0	512
2 x 1,5	2.352,-	28,8	6,1	51
3 x 1,5	2.943,-	43,2	6,4	68
4 x 1,5	3.552,-	57,6	7,0	88
5 x 1,5	4.360,-	72,0	7,6	107
7 x 1,5	5.998,-	100,8	9,4	171
12 x 1,5	9.212,-	172,8	11,0	239
14 x 1,5*	10.929,-	201,6	11,5	275
18 x 1,5	12.917,-	259,2	12,8	356
25 x 1,5	17.380,-	360,0	15,2	475
30 x 1,5*	20.689,-	432,0	16,1	560
36 x 1,5	23.888,-	518,4	17,7	700
3 x 2,5	4.974,-	72,0	8,3	120
4 x 2,5	6.089,-	96,0	9,1	148
5 x 2,5	7.162,-	120,0	9,9	177
7 x 2,5	11.089,-	168,0	11,7	247
12 x 2,5	14.586,-	288,0	13,9	382
18 x 2,5*	on request	432,0	16,7	585
25 x 2,5*	on request	600,0	20,5	827
4 x 4,0	9.609,-	153,6	11,5	232
5 x 4,0*	13.013,-	192,0	12,6	285
7 x 4,0*	15.601,-	268,8	15,0	385
4 x 6,0	14.296,-	230,4	14,7	370
5 x 6,0*	17.053,-	288,0	15,2	418
7 x 6,0	22.669,-	403,2	19,1	598
4 x 10,0*	25.760,-	384,0	18,1	566
5 x 10,0*	29.830,-	480,0	19,9	718
1 x 16,0*	on request	153,8	10,0	290
4 x 16,0*	35.641,-	614,4	21,9	885
4 x 25,0*	46.994,-	960,0	25,8	1.295

* a production is possible from 1000 meters

Options: This type can be delivered with individual imprint (up to 130 signs) and is even available as spiral cable.

The corresponding drag chains can be supplied.