

CC-Servoflex PUR-C-582



Halogen-free superflexible motor cable 0.6/1 kV, shielded
Conforms to EU low-voltage guideline 73/23/EEC CE

ConCab kabel Mainhardt Servoflex-C-582 0,6/1kV DESINA CE



CC-Servoflex PUR-C-582 shielded and *DESINA*[®] conforming is designed for electronically controlled servo motors and as a power and feedback cable for power supply chains, automatic handling equipment and robots. It can be used in- and outdoors and in areas where aggressive and mineral oils occur.

A special cable structure and high quality materials ensure a long service life. Due to the overall copper shield the cable meets the electromagnetic compatibility (EMC) requirements and ensures a disturbance-free operation of servo motors. The PUR outer sheath is highly cut, notch and abrasion resistant. The CC-Servoflex PUR-C-582 combines power cores and shielded paired control cores.

Construction

Power cores 0,75 mm² - 35 mm²

Superfine strands of bare copper wires, TPE core insulation, cores are black, numbered in white 1-3 and green/yellow protective conductor.

Control cores 0,34 mm² - 2,5 mm²

Superfine strands of bare copper wires, polyester (TPE) core insulation, cores are black with consecutive white numbering, twisted in pairs, pairs shielded with aluminium foil, tinned drain wire, tinned copper shield, special wrapping, fleece. Power and paired control cores twisted in very short lay lengths, fleece, tinned copper shield, fleece.

PUR-based outer sheath, flame retardant and self-extinguishing (acc. to VDE 0482, part 265-2-1 resp. EN 50265-2-1 and IEC 60332-1), non-adhesive, resistant to hydrolysis and microbes. Colour *DESINA*[®]-orange (RAL 2003).

Technical data

Rated voltage:

power cores: 600/1000 V
control cores: 300/500 V

Test voltage:

power cores: core/core 4000 V
core/shield 2000 V
control cores: core/core 2000 V
core/shield 1000 V

Conductor stranding:

superfine copper strands
acc. to VDE 0295, class 6

Insulation resistance:

min. 100 MOhm × km

Temperature range:

-30°C to +80°C

Bending radius:

7,5 × cable diameter

Approvals:

acc. to VDE 0245, 0281

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Part-No.	No. of cores + cross-section	Outer sheath colour	Copper weight kg/km	Outer diameter approx. mm	Weight kg/km
582 4007 2203	[4 G 0,75 + 2 × (2 × 0,34)]	orange	114,0	11,0	171
582 4010 2207	[4 G 1,0 + 2 × (2 × 0,75)]	orange	156,0	12,0	284
582 4015 2205	[4 G 1,5 + 2 × (2 × 0,50)]	orange	178,0	12,1	340
582 4015 2207	[4 G 1,5 + 2 × (2 × 0,75)]	orange	184,0	12,1	370
582 4025 2215	[4 G 2,5 + 2 × (2 × 1,5)]	orange	296,0	15,1	441
582 4040 2215	[4 G 4 + 2 × (2 × 1,5)]	orange	366,0	17,8	565
582 4040 2207 210	[4 G 4 + (2 × 0,75) + (2 × 1,0)]	orange	331,0	17,8	545
582 4060 2215	[4 G 6 + 2 × (2 × 1,5)]	orange	449,0	18,0	652
582 4100 2215	[4 G 10 + 2 × (2 × 1,5)]	orange	625,0	21,5	885
582 4100 2207 210	[4 G 10 + (2 × 0,75) + (2 × 1,0)]	orange	595,0	23,8	865
582 4160 2210	[4 G 16 + 2 × (2 × 1,0)]	orange	863,0	23,2	1220
582 4160 2215	[4 G 16 + 2 × (2 × 1,5)]	orange	873,0	26,8	1284
582 4250 2215	[4 G 25 + 2 × (2 × 1,5)]	orange	1233,0	29,2	1782
582 4350 2215	[4 G 35 + 2 × (2 × 1,5)]	orange	1723,0	32,4	2570
582 4500 2225	[4 G 50 + 2 × (2 × 2,5)]	orange	2597,0	37,0	3316
582 4015 210	[4 G 1,5 + (2 × 1,0)]	petrol	154,0	12,0	231
582 4025 210	[4 G 2,5 + (2 × 1,0)]	petrol	266,0	12,8	287
582 4040 210	[4 G 4 + (2 × 1,0)]	petrol	336,0	14,4	375
582 4060 210	[4 G 6 + (2 × 1,0)]	petrol	419,0	17,6	459
582 4100 210	[4 G 10 + (2 × 1,0)]	petrol	595,0	20,4	735
582 4160 210	[4 G 16 + (2 × 1,0)]	petrol	843,0	23,4	1118
582 4250 215	[4 G 25 + (2 × 1,5)]	petrol	1203,0	28,0	1447
582 4350 215	[4 G 35 + (2 × 1,5)]	petrol	1663,0	32,3	1916
582 4500 215	[4 G 50 + (2 × 1,5)]	petrol	2530,0	35,3	2845
582 4015 210 8	[4 G 1,5 + (2 × 1,0)]	orange	154,0	12,0	231
582 4025 210 8	[4 G 2,5 + (2 × 1,0)]	orange	266,0	12,8	287
582 4040 210 8	[4 G 4 + (2 × 1,0)]	orange	336,0	14,4	375
582 4060 210 8	[4 G 6 + (2 × 1,0)]	orange	419,0	17,6	459
582 4100 210 8	[4 G 10 + (2 × 1,0)]	orange	595,0	20,4	735
582 4160 210 8	[4 G 16 + (2 × 1,0)]	orange	843,0	23,4	1118
582 4250 215 8	[4 G 25 + (2 × 1,5)]	orange	1203,0	28,0	1447
582 4350 215 8	[4 G 35 + (2 × 1,5)]	orange	1663,0	32,3	1916
582 4500 215 8	[4 G 50 + (2 × 1,5)]	orange	2530,0	35,3	2845



Special needs, different dimensions or different outer sheath colours upon request.
For installation instructions please see page 498.

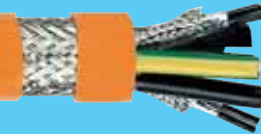
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ConCab kabel Mainhardt - 582 4 x 2,5 + 2 x 2 x 1,5 E 172073 cUL AWM STYLE 20234 1000V 80°C DESINA CE



CC-Servoflex PUR-C-582 shielded UL/CSA and *DESINA*[®] conforming is designed for electronically controlled servo motors and as a supply and feedback cable for power supply chains, automatic handling equipment and robots. It can be used in- and outdoors and in areas where aggressive and mineral oils occur.

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PUR-based outer sheath, flame retardant and self-extinguishing (acc. to VDE 0482, part 265-2-1 resp.

EN 50265-2-1 and IEC 60332-1), non-adhesive, resistant to hydrolysis and microbes. Colour *DESINA*[®]-orange (RAL 2003).

Technical data

Rated voltage:

power cores:
VDE/IEC: 600/1000 V
UL/CSA: 1000 V
control cores:
VDE/IEC: 300/500 V
UL/CSA: 1000 V

Test voltage:

power cores: core/core 4000 V
core/shield 2000 V
control cores: core/core 2000 V
core/shield 1000 V

Conductor stranding:

superfine copper strands
acc. to VDE 0295, class 6

Insulation resistance:

min. 100 MOhm × km

Temperature range:

-30°C to +80°C

Bending radius:

7,5 × cable diameter

Approvals:

acc. to VDE 0245, 0281
UL: Style 10264, 20234
CSA: AWM I A/B, II A/B FT1

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Part-No.	No. of cores + cross-section/AWG	Copper weight kg/km	Outer diameter approx. mm	Weight kg/km
582 4007 2203 08	[4 G 0,75/AWG 19 + 2 × (2 × 0,34/AWG 22)]	114,0	11,0	171
582 4010 2207 08	[4 G 1,0/AWG 18 + 2 × (2 × 0,75/AWG 19)]	156,0	11,5	284
582 4015 2205 08	[4 G 1,5/AWG 16 + 2 × (2 × 0,50/AWG 20)]	178,0	12,1	340
582 4015 2207 08	[4 G 1,5/AWG 16 + 2 × (2 × 0,75/AWG 19)]	184,0	12,1	370
582 4025 2215 08	[4 G 2,5/AWG 14 + 2 × (2 × 1,5/AWG 16)]	296,0	15,1	441
582 4040 2215 08	[4 G 4/AWG 12 + 2 × (2 × 1,5/AWG 16)]	366,0	16,0	565
582 4060 2215 08	[4 G 6/AWG 10 + 2 × (2 × 1,5/AWG 16)]	449,0	18,0	652
582 4100 2215 08	[4 G 10/AWG 8 + 2 × (2 × 1,5/AWG 16)]	625,0	22,6	885
582 4160 2215 08	[4 G 16/AWG 6 + 2 × (2 × 1,5/AWG 16)]	873,0	25,2	1284
582 4250 2215 08	[4 G 25/AWG 4 + 2 × (2 × 1,5/AWG 16)]	1233,0	28,0	1782
582 4350 2215 08	[4 G 35/AWG 2 + 2 × (2 × 1,5/AWG 16)]	1723,0	30,5	2570
582 4500 2225 08	[4 G 50/AWG 1 + 2 × (2 × 2,5/AWG 14)]	2597,0	37,0	3316
582 4015 210 08	[4 G 1,5/AWG 16 + (2 × 1,0/AWG 18)]	118,0	11,6	205
582 4015 215 08	[4 G 1,5/AWG 16 + (2 × 1,5/AWG 16)]	154,0	12,0	231
582 4025 215 08	[4 G 2,5/AWG 14 + (2 × 1,5/AWG 16)]	266,0	12,8	287
582 4040 215 08	[4 G 4/AWG 12 + (2 × 1,5/AWG 16)]	336,0	14,4	375
582 4060 215 08	[4 G 6/AWG 10 + (2 × 1,5/AWG 16)]	419,0	15,9	459
582 4100 215 08	[4 G 10/AWG 8 + (2 × 1,5/AWG 16)]	595,0	18,0	735
582 4160 215 08	[4 G 16/AWG 6 + (2 × 1,5/AWG 16)]	843,0	21,8	1118
582 4250 215 08	[4 G 25/AWG 4 + (2 × 1,5/AWG 16)]	1203,0	26,7	1447
582 4350 215 08	[4 G 35/AWG 2 + (2 × 1,5/AWG 16)]	1663,0	30,8	1916
582 4500 215 08	[4 G 50/AWG 1 + (2 × 1,5/AWG 16)]	2530,0	34,7	2845



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