Servo cable
FABER® EFK Servo-CY

Application: Low capacity connection cable between servo controller and frequency driven motor. For application in machine tools and drag chains with medium mechanical stress. Please pay attention to our instructions for the use of drag chain cables.

Siemens part numbers (6FX...) are registered trade marks of Siemens AG and used only as reference.

Construction and technical data:

Standard:	Siemens Standard 6FX5008+
Specification/Standard:	UL/CSA
Conductor material:	copper, bare
Conductor construction:	class 6 = extra finely stranded - DIN EN IEC 60228 (VDE 0295)
Insulation:	polypropylene
Screen:	tinned copper braid
Screen coverage, approx.:	85 %
Sheathing material:	PVC
Colour of outer sheath:	orange RAL 2003 (DESINA)
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	DIN EN 60811-404 / VDE 0473-811-404 / IEC 60811-404
Permitted outer cable temperature, fixed, °C:	-30 - +80 °C
Permitted outer cable temperature, moved, °C:	-15 - +80 °C
Min. bending radius, fixed installation:	5 x Ø
Bending radius, moving application:	7.5 x Ø
Bending cycles, max.:	1 Mio.
Operating speed:	300 m/min.
Moving distance, max.:	10 m

The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

© 2026 · Klaus Faber AG · all rights reserved KLAUS FABER AG · Europaallee 33 · 66113 Saarbrücken · Germany · T +49 681 9711 - 0

Servo-CY+ Servo cables for drag chains

Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 4 kV

Core identification: acc. to Siemens-specification

part no.	part name	Rl [Ohm/km]	Ø [mm]	Cu	G [kg]
036414	[4G1.5] OG cUL - 6FX5008-1BB11 LC		8.6	94	131
036415	[4G2.5] OG cUL - 6FX5008-1BB21 LC	7.98	10.7	135	196
036416	[4G4] OG cUL - 6FX5008-1BB31 LC	4.95	10.7	205.5	278
036417	[4G6] OG cUL - 6FX5008-1BB41 LC	3.3	14.4	315	374
036418	[4G10] OG cUL - 6FX5008-1BB51 LC		17.5	488	648
036419	[4G16] OG cUL - 6FX5008-1BB61 LC		21.2	769	1046
036420	[4G25] OG cUL - 6FX5008-1BB25 LC	0.78	25.2	1110	1640
036421	[4G35] OG cUL - 6FX5008-1BB35 LC	0.554	29.2	1510	2310
036422	[4G50] OG cUL - 6FX5008-1BB50 LC	0.386	34	2247	3240
036423	[4G70] OG cUL - 6FX5008-1BB70 LC	0.272	38	3025	4536
036424	[4G1.5 + (2X1.5)] OG cUL - 6FX5008-1BA11 LC		11	163.5	248
036425	[4G2.5 + (2X1.5)] OG cUL - 6FX5008-1BA21 LC	7.98	12.7	189	310
036426	[4G4 + (2X1.5)] OG cUL - 6FX5008-1BA31 LC	4.95	14	260.5	391
036427	[4G6 + (2X1.5)] OG cUL - 6FX5008-1BA41 LC	3.3	16	365	504
036428	[4G10 + (2X1.5)] OG cUL - 6FX5008-1BA51 LC		19.8	560	790
036429	[4G16 + (2X1.5)] OG cUL - 6FX5008-1BA61 LC		21.8	816	1113
036430	[4G25 + (2X1.5)] OG cUL - 6FX5008-1BA25 LC	0.78	25.6	1172	1563
036431	[4G35 + (2X1.5)] OG cUL - 6FX5008-1BA35 LC	0.554	29.5	1595	2018
036432	[4G50 + (2X1.5)] OG cUL - 6FX5008-1BA50 LC	0.386	34.5	2750	2835

Rl	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000

© 2026 · Klaus Faber AG · all rights reserved KLAUS FABER AG · Europaallee 33 · 66113 Saarbrücken · Germany · T +49 681 9711 - 0