

# SERVO cable FABER® EFK Servo-CP acc. to Siemens Standard 6FX8008+



<b>Specification/Standard:</b>	UL/CSA
<b>Conductor material:</b>	copper, bare
<b>Conductor class:</b>	class 6 = extra finely stranded
<b>Insulation:</b>	polypropylene
<b>Screen:</b>	copper braid, tinned
<b>Screen coverage:</b>	85 %
<b>Sheathing material:</b>	polyurethan
<b>Colour outer sheath:</b>	orange RAL 2003 (DESINA)
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-404
<b>Permitted outer cable temperature, fixed:</b>	-50 - +80 °C
<b>Permitted outer cable temperature, in motion/ during installation:</b>	-40 - +80 °C
<b>Bending radius, fixed installation:</b>	5 x DA
<b>Bending radius, moving application:</b>	7,5 x DA
<b>Bending cycles, max.:</b>	5 Mio.
<b>Moving distance, max.:</b>	100 m
<b>Nominal voltage U<sub>o</sub>:</b>	600 V
<b>Nominal voltage U:</b>	1 kV
<b>Test voltage:</b>	4 kV
<b>Core identification:</b>	acc. to Siemens-specification

**Application:** Low-capacitance 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 on our website.

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



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.

Table: Technical characteristics FABER® EFK Servo-CP Siemens (Drag chain cable)

p/n	part name	D <sub>A</sub> [mm]	G [kg/km]	Cu [kg/km]	p/n	part name	D <sub>A</sub> [mm]	G [kg/km]	Cu [kg/km]
035285	[4G1,5] 0,6/1 kV OR cUL - 6FX8008-1BB11	9	159	90	035286	[4G2,5] 0,6/1 kV OR cUL - 6FX8008-1BB21	10,6	235	135

p/n	part name	D <sub>A</sub> [mm]	G [kg/km]	Cu [kg/km]
035287	[4G4] 0,6/1 kV OR cUL - 6FX8008-1BB31	11,9	323	205,5
035288	[4G6] 0,6/1 kV OR cUL - 6FX8008-1BB411	14,7	464	315
035289	[4G10] 0,6/1 kV OR cUL - 6FX8008-1BB51	17,5	672	488
035290	[4G16] 0,6/1 kV OR cUL - 6FX8008-1BB61	21,6	1089	769
035291	[4G25] 0,6/1 kV OR cUL - 6FX8008-1BB25	25,4	1523	1100
035292	[4G35] 0,6/1 kV OR cUL - 6FX8008-1BB35	29,7	2080	1510
035293	[4G50] 0,6/1 kV OR cUL - 6FX8008-1BB50	33,4	2710	2130
035294	[4G70] 0,6/1 kV OR cUL - 6FX8008-1BB70	42,5	4123	3025
035295	[4G1,5+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA116FX8008-1BA1	11,6	244	163,5
035296	[4G2,5+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA21 6FX8008-1BA21	13,4	310	189

p/n	part name	D <sub>A</sub> [mm]	G [kg/km]	Cu [kg/km]
035297	[4G4+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA316FX8008-1BA3	14,8	408	260,5
035298	[4G6+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA41	16,8	540	365
035299	[4G10+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA516FX8008-1BA5	19,9	782	560
035300	[4G16+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA616FX8008-1BA6	22,5	1101	816
035301	[4G25+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA256FX8008-1BA2	26,2	1490	1172
035302	[4G35+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA356FX8008-1BA3	29,8	2015	1595
035303	[4G50+(2X1,5)] 0,6/1 kV OR cUL - 6FX8008-1BA50	34	2754	2214

DA	Outer diameter approx.
G	weight
Cu	Copper weight (GER)