

SERVO CABLES ACC. TO SIEMENS® STANDARD 6FX8008PLUS

Contact

Special Cables Nuremberg
Phone: + 49 911 5207 499
Produktinfo@nexans.com

Servo cables for extremely dynamic applications. MOTIONLINE® PREMIUM

DESCRIPTION

Servo cables for extremely dynamic applications; PUR Jacket; screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.



STANDARDS

International
UL and CSA approval



Halogen free
Yes



Operating temp.
-30 .. 80 °C



Storage temperature, range
-50 .. 80 °C



Flame retardant
IEC 60332-1; FT1; UL 1581



Oil resistance
DIN EN 50363-10-2 & DIN EN 60811-404

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Version 1.2 Generated 10/8/19 www.nexans.de Page 1 / 3

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CHARACTERISTICS

Construction characteristics

Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Lay Up	Power cores stranded with filler
Insulation colour	Black - white marking U/L1/C/L + V/L2 W/L3/D/L - Yellow/Green
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

Electrical characteristics

Rated Voltage Uo/U	0.6/1 kV
Test voltage	4000 V






Mechanical characteristics

Bending cycles	10.0 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s ²

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-30 .. 80 °C
Storage temperature, range	-50 .. 80 °C
Flame retardant	IEC 60332-1; FT1; UL 1581
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404

PRODUCT LIST

Nexans ref.	Country ref.	Name	Outer Diameter [mm]	Construction type	Copper content [kg/km]	Approx. weight [kg/km]
 49493061 New	6FX8008-1BB11-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G1,5)C	8.9	4G1.5 C	80	122
 49493161 New	6FX8008-1BB21-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G2,5)C	10.5	4G2.5 C	123	177
 49493261 New	6FX8008-1BB31-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G4)C	12.2	4G4 C	189	256
 49493361 New	6FX8008-1BB41-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G6)C	14.4	4G6 C	265	353
 49493461 New	6FX8008-1BB51-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G10)C	17.9	4G10 C	455	565

 = Make to order,  = In stock

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Version 1.2 Generated 10/8/19 www.nexans.de Page 2 / 3





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Nexans ref.	Country ref.	Name	Outer Diameter [mm]	Construction type	Copper content [kg/km]	Approx. weight [kg/km]
 49493561 New	6FX8008-1BB61-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G16)C	21.2	4G16 C	720	854
 49493661 New	6FX8008-1BB25-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G25)C	25.5	4G25 C	1110	1285
 49493761 New	6FX8008-1BB35-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G35)C	29.4	4G35 C	1510	1752
 49493861 New	6FX8008-1BB50-Plus	SERVO CABLE ACC. TO SIEMENS STANDARD (4G50)C	34.7	4G50 C	2150	2456

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