

MS.HP 600 Series

MOTIONSERVO POWER

Servomotor cables, PUR sheath, Oil Resistant, High Dynamic Application, Halogen Free - According to SIEMENS® standards

HIGH DYNAMIC PERFORMANCE

HP

PUR
FRHF

600 V
1000 V

-50 °C
+90 °C



10 million

CYCLES



6,5 x O.D.

MIN. BENDING RADIUS



600 m / min

MAX. SPEED



60 m / s²

ACCELERATION MAX.



≤ 50 N / mm²

PULLING FORCE



± 30 ° / m

TORSION



50 m

MAX. HORIZ. TRAVEL

DURABILITY IN MECHANICAL & THERMAL CONDITIONS

ELECTRICAL PROPERTIES

	m.u.				
CYCLES	MIL	0,2	1	5	10
MIN. BENDING RADIUS	x O.D.	12	6,5	7,5	10
MAXIMUM SPEED	m/min	180	600	300	240
MAXIMUM ACCELERATION	m/s ²	2,0	50	30	15
PULLING FORCE	N/mm ²	≤ 50	≤ 20	≤ 20	≤ 20
TORSION	°/m	-	± 30	± 30	± 30
MAX. HORIZONTAL TRAVEL	m	-	3	15	50
TEMPERATURE	°C	-50 / +90	-40 / +90	-40 / +90	-40 / +90

Test Voltage 4,0 kV x 5 min
acc.to EN 50395 Cl. 10.3

Insulation Resistance ≥ 1.0 GΩ x km @ 20 °C
acc.to EN 50395 Cl. 8.1

Max. Short Circuit Temperature 160 °C (≤ 1s)

Operating Voltage 1000 V (UL/CSA)
U₀/U 0.6/1.0 kV (IEC)

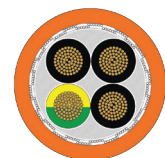
RESISTANCE TO ENVIRONMENTAL AND AGGRESSIVE CHEMICAL THREATS



MAIN ADVANTAGES

Low-Capacitance Structure	Allows for long connections and signal stability even at high frequencies
High-Performance PUR Jacket	Excellent mechanical, chemical, and abrasion resistance
High-Dynamic Construction	Engineered for cable carriers with long travel distances and high accelerations
Full-Coverage Tinned Copper Shielding	Maximum EMC protection for high-precision servo systems
High Resistance to Oils, Coolants, and Chemical Agents	Suitable for use in harsh industrial environments and wet areas
Wide Operating Temperature Range	Reliability even in extreme climatic conditions, indoors or outdoors
Compatibility with Major Servo Systems	Universal solution for multi-brand applications
Robust and Flexible Construction	Long service life and reduced machine downtime

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MotionCables code	EPlan Code	OEM code	Formation	∅	Cu	DATA SHEET
			mm ²	mm	kg / km	
SDS15G04UP-A	MC. 317041531	6FX8008-1BB11	(4 G 1.5)	9.0	94	
SDS13G04UP-A	MC. 317041331	6FX8008-1BB21	(4 G 2.5)	10.7	142	
SDS11G04UP-A	MC. 317041131	6FX8008-1BB31	(4 G 4)	11.9	200	
SDS09G04UP-A	MC. 317040931	6FX8008-1BB41	(4 G 6)	14.4	310	
SDS07G04UP-A	MC. 317040731	6FX8008-1BB51	(4 G 10)	17.7	486	
SDS05G04UP-A	MC. 317040531	6FX8008-1BB61	(4 G 16)	21.6	770	
SDS03G04UP-A	MC. 317040331	6FX8008-1BB25	(4 G 25)	25.5	1167	
SDS02G04UP-A	MC. 317040231	6FX8008-1BB35	(4 G 35)	30.0	1540	
SDSA1G04UP-A	MC. 31704A131	6FX8008-1BB50	(4 G 50)	35.5	2247	
SDSA2G04UP-A	MC. 31704A231	6FX8008-1BB70	(4 G 75)	41.6	2800	
SDSA3G04UP-A	MC. 31704A331	6FX8008-1BB95	(4 G 95)	46.8	3600	



EPLAN

All the codes are available in the EPLAN PLAN8 System (use the EPLAN code in the relevant column).



SPAC CAVI

All the codes are available in the SPAC CAVI system (use MotionCables item code).

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