

FLEXMOV® Servo cables

FLEXMOV® 伺服电缆

FMV610 伺服电缆 Servo cables



- PVC 外护套
- 带屏蔽
- 耐油
- 阻燃
- PVC outer jacket
- Shielded
- Oil-resistant
- Flame resistance

移动参数 Dynamic Information

	最小弯曲半径 Min. bending radius	拖链内移动 Moving in cable carriers	7.5 x d
		非拖链内移动 Flexible moving	6 x d
		固定铺设 Fixed installation	4 x d
	使用温度范围 Temperature	拖链内移动 Moving in cable carriers	+5°C至to +70°C
		非拖链内移动 Flexible moving	-5°C至to +70°C
		固定铺设 Fixed installation	-15°C至to +70°C
	最大速度 v max.	架空 Unsupported	10 m/s
		滑行 Gliding	5 m/s
	最大加速度 a max.		80 m/s ²
	行程距离 Travel distance	架空应用和行程距离小于100米的滑行应用 Unsupported travels and up to 100 m for gliding applications	

电缆结构 Cable structure

	导体 Conductor	高抗弯强度的精细裸铜多股线（符合 EN 60228 标准） Conductor consisting of bare copper wires (according to DIN EN 60228).
	绝缘材料 Conductor insulation	高机械性能、低电容的XLPE混合物 Mechanically high-quality, especially low-capacitance XLPE mixture.
	芯线结构 Conductor construction	动力导线和信号对线以短节距围绕高强度的中心线绞合在一起。 Power cores and control pair elements wound with a short pitch length around a high tensile strength centre element.
	芯线识别 Color code	动力导线: 一根为黄-绿芯线, 其余均为黑色芯线带白色数字 Power conductors: Black with white numbers, one conductor green-yellow. 1: U / L1 / C / L+ 2: V / L2 3: W / L3 / D / L- 1 对控制对线Control pair: 黑色芯线带白色数字Black with white numbers, 4/ 5 2 对控制对线Control pairs: 黑色芯线带白色数字Black with white numbers, 5/6/7/8
	单元屏蔽 Element shield	抗弯曲的镀锡铜丝编织。 Bending-resistant braiding made of tinned copper wires.
	内护套 Inner jacket	PVC混合物适用于拖链 PVC mixture adapted to suit the requirements in cable carriers.
	总屏蔽 Overall shield	抗弯曲的镀锡铜丝编织。覆盖线性约70%，光学约90%。 Bending-resistant braiding made of tinned copper wires. Coverage linear approx. 70%, optical approx. 90%
	外护套 Outer jacket	低粘性、耐油的PVC基混合材料，符合拖链要求 颜色: 苔绿色 Color: Green RAL 6005 Low adhesion mixture on the basis of PVC, adapted to suit the requirements in cable carriers.

电气参数 Electrical Information

	额定电压 Nominal voltage	U_0/U : 600/1000 V (符合following VDE0298-3)
	测试电压 Test voltage	4000 V (符合following EN50395)

特性和认证 Properties and approvals

	抗紫外线 UV-resistance	中等 Medium
	耐油性 Oil resistance	耐油 (符合 IEC60811-404 标准, 经SGS检测), 耐生物油 (符合VDMA24568 标准, 经SGS检测) Oil-resistant (following IEC60811-404, tested by SGS), bio-oil-resistant (following VDMA24568, tested by SGS)
	阻燃 Flame resistance	符合According to IEC 60332-1-2、VW-1、FT1
	REACH	符合 Accordding to the regulation (EC) No. 1907/2006 (REACH)
	EAC	经认证Certificate No. KG 417/043.CN.02.00249
	无铅 Lead-free	符合Following 2015/863/EU (RoHS-II 经SGS检测 Tested by SGS)
	无尘室 Cleanroom	符合Following ISO 14644-1
	CE	符合Following 2014/35/EU
	UL	符合Following UL2570, 1000V, 80°C

质保使用寿命 Guaranteed service life

往返行程 Double strokes	500万次 5 million times	750万次 7.5 million times	1000万次 10 million times
适用温度范围 Temperature, from/to [°C]	最小弯曲半径 R min. [系数factor x d]	最小弯曲半径 R min. [系数factor x d]	最小弯曲半径 R min. [系数factor x d]
+5/+15	10	11	12
+15/+60	7.5	8.5	9.5
+60/+70	10	11	12

FLEXMOV® Servo cables

FLEXMOV® 伺服电缆

FMV610

FMV610 伺服电缆 Servo cables

产品编码 Part No.	芯数及截面积 Number of cores and conductor nominal cross-section [mm]	外径 Outer diameter [mm]	铜含量 Copper index [kg/km]	重量 Weight [kg/km]
1 对控制对线带屏蔽 Control pair shielded				
FMV610.07.05.02.01	(4G0.75+(2x0.5)C)C	11	76	159
FMV610.15.15.02.01	(4G1.5+(2x1.5)C)C	13	145	256
FMV610.25.15.02.01	(4G2.5+(2x1.5)C)C	14.5	199	330
FMV610.40.15.02.01	(4G4.0+(2x1.5)C)C	16	256	406
FMV610.60.15.02.01	(4G6.0+(2x1.5)C)C	18	343	546
FMV610.100.15.02.01	(4G10+(2x1.5)C)C	21.5	536	828
2 对控制对线带屏蔽 Control pair shielded				
FMV610.07.03.02.02	(4G0.75+2x(2x0.34)C)C	12.5	103	208
FMV610.10.07.02.02	(4G1.0+2x(2x0.75)C)C	13.5	148	269
FMV610.15.07.02.02	(4G1.5+2x(2x0.75)C)C	14.5	167	309
FMV610.25.15.02.02	(4G2.5+2x(2x1.5)C)C	17	254	434
FMV610.40.15.02.02	(4G4.0+2x(2x1.5)C)C	18	308	515
FMV610.60.15.02.02	(4G6.0+2x(2x1.5)C)C	21	412	695
FMV610.100.15.02.02	(4G10+2x(2x1.5)C)C	23	592	925
FMV610.160.15.02.02	(4G16+2x(2x1.5)C)C	26.5	878	1287

注Note: 外径是指参考值 The outer diameters are reference values.

G: 带黄-绿接地线 With green-yellow earth core

x: 不带接地线 Without earth core

FMV610

FLEXMOV®

www.csb-ep.com
sales@csb-ep.com

电话: 0573 84186133/84185527
Tel: 0086 573 84187009