

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

FMM610 动力电缆 Motor cables



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

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 400 m for gliding applications	

电缆结构 Cable structure

	导体 Conductor	截面积Cross-sectional < 10 mm ² : 高抗弯强度的精细裸铜多股线 (符合 EN 60228 标准) Stranded conductor in especially bending-resistant version consisting of bare copper wires (according to DIN EN 60228).	
		截面积Cross-sectional ≥ 10 mm ² : 细铜丝先编织成束然后绞在一起 (符合 EN 60228 标准) Conductor cable consisting of pre-leads (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	芯线以短节距绕高抗拉中心线绞合在一起 Cores wound with a short pitch length around a high tensile strength centre element.	
	芯线识别 Color code	一根为黄绿线, 其余均为黑色芯线带白色数字 Black cores with white numbers, one green-yellow core. 芯线Core1: U/L1/C/L+ 芯线Core2: V/L2 芯线Core3: W/L3/D/L- 芯线Core4: 4/N	
	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 Low adhesion mixture on the basis of PVC, adapted to suit the requirements in cable carriers. 颜色: 黑色 Color: Black RAL 9005	

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)

FMM610

FLEXMOV®

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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

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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]
FMM610.15.04	(4G1.5)C	10	89	157
FMM610.25.04	(4G2.5)C	11.5	133	221
FMM610.25.05	(5G2.5)C	13	163	271
FMM610.40.04	(4G4.0)C	13	203	300
FMM610.40.05	(5G4.0)C	14.5	258	354
FMM610.60.04	(4G6.0)C	16	288	455
FMM610.60.05	(5G6.0)C	17	356	532
FMM610.100.04	(4G10)C	18.5	468	670
FMM610.100.05	(5G10)C	21.5	609	857
FMM610.160.04	(4G16)C	23	738	1035
FMM610.250.04	(4G25)C	27.5	1153	1586
FMM610.350.04	(4G35)C	31	1592	2104
FMM610.500.04	(4G50)C	36.5	2224	2902
FMM610.700.04	(4G70)C	43	3203	4173

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