

FMM600 动力电缆 Motor cables



- PVC外护套
- 阻燃
- 抗UV
- 耐油
- PVC outer jacket
- 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 100 m for gliding applications	
	可扭转 Torsion	±90°/m	

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
	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

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

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

FMM600

FLEXMOV®

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FMM600 动力电缆 Motor 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]
FMM600.15.04	4G1.5	8	61	104
FMM600.25.04	4G2.5	10	100	166
FMM600.25.05	5G2.5	11	124	203
FMM600.40.04	4G4.0	11.5	163	249
FMM600.40.05	5G4.0	12.5	204	302
FMM600.60.04	4G6.0	13.5	237	343
FMM600.60.05	5G6.0	15	297	410
FMM600.100.04	4G10	16.5	407	548
FMM600.100.05	5G10	19.5	515	684
FMM600.160.04	4G16	20	646	826
FMM600.160.05	5G16	23.5	815	1067
FMM600.250.04	4G25	25	1014	1320
FMM600.350.04	4G35	28.5	1439	1795

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

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)

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 Accordng 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

FMM610 动力电缆 Motor 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]
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

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

FMM900 动力电缆 Motor cables



- TPE外护套
- 阻燃
- 抗UV
- 耐油
- 抗水解和微生物

- TPE outer jacket
- Flame resistance
- UV-resistance
- Oil-resistant
- Hydrolysis and microbe-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	-35°C至to +90°C
		非拖链内移动 Flexible moving	-45°C至to +90°C
		固定铺设 Fixed installation	-50°C至to +90°C
	最大速度 v max.	架空 Unsupported	10 m/s
		滑行 Gliding	6 m/s
	最大加速度 a max.	100 m/s ²	
	行程距离 Travel distance	架空应用和行程距离小于400米的滑行应用 Unsupported travels and up to 400 m and more for gliding applications	
	可扭转 Torsion	±90°/m	

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	高机械性能的TPE混合物 Mechanically high-quality TPE mixture.
	芯线结构 Conductor construction	符合测量系统标准 According to measuring system specification.
	芯线识别 Color code	黄-绿色 yellow-green
	外护套 Outer jacket	低粘性的TPE基混合物，高度耐磨、柔性，符合拖链要求（符合 EN 50363-10-2 标准） Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and highly flexible, adapted to suit the requirements in cable carriers. 颜色：黑色 Color: Black RAL 9005

FMM900

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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	高 High
	耐水解 Hydrolysis-resistance	高 High
	耐低温 Cold-resistant	-50°C
	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 Accordng 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

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]
-35/-25	10	11	12
-25/+80	7.5	8.5	9.5
+80/+90	10	11	12

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

FMM900

FMM900 动力电缆 Motor 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]
FMM900.15.01	1G1.5	4.5	16.0	31.0
FMM900.25.01	1G2.5	5.5	25.0	42.0
FMM900.40.01	1G4.0	6.0	41.0	59.0
FMM900.60.01	1G6.0	7.0	61.0	83.0
FMM900.100.01	1G10	7.5	100.0	124.0
FMM900.160.01	1G16	9.5	159.0	195.0
FMM900.250.01	1G25	11.5	248.0	294.0
FMM900.350.01	1G35	12.5	347.0	395.0
FMM900.500.01	1G50	14.5	495.0	551.0
FMM900.700.01	1G70	16.5	725.0	813.0
FMM900.950.01	1G95	20.0	936.0	1080.0

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

FMM900

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FMM902 动力电缆 Motor cables



- TPE外护套
- 抗UV
- 耐油
- 抗水解和微生物
- 不含PVC和卤素

- TPE outer jacket
- UV-resistance
- Oil-resistant
- Hydrolysis and microbe-resistant
- PVC and halogen-free

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	-35°C至to +90°C
		非拖链内移动 Flexible moving	-50°C至to +90°C
		固定铺设 Fixed installation	-55°C至to +90°C
	最大速度 v max.	架空 Unsupported	10 m/s
		滑行 Gliding	6 m/s
	最大加速度 a max.	100 m/s ²	
	行程距离 Travel distance	架空应用和行程距离小于400米的滑行应用 Unsupported travels and up to 400 m and more for gliding applications	
	可扭转 Torsion	±90°/m	

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	高机械性能的TPE混合物 Mechanically high-quality TPE mixture.
	外护套 Outer jacket	低粘性的TPE基混合物，高度耐磨、柔性，符合拖链要求 Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and highly flexible, 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）

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

FMM902

特性和认证 Properties and approvals

	抗紫外线 UV-resistance	高 High
	耐水解 Hydrolysis-resistance	高 High
	耐低温 Cold-resistant	-55°C
	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)
	无卤素 Halogen-free	符合Following DIN EN 60754
	REACH	符合 According 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

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]
-35/-25	10	11	12
-25/+80	7.5	8.5	9.5
+80/+90	10	11	12

FMM902 动力电缆 Motor cables

产品编码 Part No.	芯数及截面积 Number of cores and conductor nominal cross-section [mm²]	外径 Outer diameter [mm]	铜含量 Copper index [kg/km]	重量 Weight [kg/km]
FMM902.60.01	1×6.0	7	61	77
FMM902.100.01	1×10	7.5	100	119
FMM902.160.01	1×16	9.5	159	181
FMM902.250.01	1×25	11.5	248	284
FMM902.350.01	1×35	12.5	347	385
FMM902.500.01	1×50	14.5	495	534
FMM902.700.01	1×70	16.5	710	754
FMM902.950.01	1×95	20	936	1015
FMM902.1200.01	1×120	21.5	1184	1265
FMM902.1500.01	1×150	23.5	1469	1548
FMM902.1850.01	1×185	26.5	1928	2016

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

FMM902

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FMM903 动力电缆 Motor cables



- TPE外护套
- 阻燃
- 抗UV
- 耐油
- 抗水解和微生物
- TPE outer jacket
- Flame resistance
- UV-resistance
- Oil-resistant
- Resistant to hydrolysis and microbes

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	-35°C至to +90°C
		非拖链内移动 Flexible moving	-45°C至to +90°C
		固定铺设 Fixed installation	-50°C至to +90°C
	最大速度 v max.	架空 Unsupported	10 m/s
		滑行 Gliding	6 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400米的滑行应用 Unsupported travels and up to 400 m for gliding applications	
	可扭转 Torsion	±90°/m	

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	
	外护套 Outer jacket	低粘性的TPE基混合物, 特别耐磨损且具有高度的灵活性, 适用于拖链 Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and highly flexible, adapted to suit the requirements in cable carriers. 颜色: 黑色 Color: Black RAL 9005	

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

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	高 High
	耐水解 Hydrolysis-resistance	高 High
	耐低温 Cold-resistant	-50°C
	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 UL22188, 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]
-35/-25	10	11	12
-25/+80	7.5	8.5	9.5
+80/+90	10	11	12

FMM903

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Tel: 0086 573 84187009

FMM903 动力电缆 Motor 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]
FMM903.15.04	4G1.5	8	61	102
FMM903.25.04	4G2.5	10	100	159
FMM903.40.04	4G4.0	11.5	163	236
FMM903.60.04	4G6.0	13.5	237	332
FMM903.60.05	5G6.0	15	297	406
FMM903.100.04	4G10	16.5	407	537
FMM903.100.05	5G10	19.5	515	670
FMM903.160.04	4G16	20	646	819
FMM903.160.05	5G16	22.5	815	1009
FMM903.250.04	4G25	24.5	1014	1271

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

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

FMM907 动力电缆 Motor cables



- TPE外护套
- 抗UV
- 耐油
- 抗水解和微生物
- 不含PVC和卤素
- TPE outer jacket
- UV-resistance
- Oil-resistant
- Resistant to hydrolysis and microbes
- PVC and halogen-free

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	-35°C至to +90°C
		非拖链内移动 Flexible moving	-50°C至to +90°C
		固定铺设 Fixed installation	-55°C至to +90°C
	最大速度 v max.	架空 Unsupported	10 m/s
		滑行 Gliding	6 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400米的滑行应用 Unsupported travels and up to 400 m for gliding applications	
	可扭转 Torsion	±90°/m	

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
	外护套 Outer jacket	低粘性的TPE基混合物, 特别耐磨损且具有高度的灵活性, 适用于拖链 Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and highly flexible, 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)

特性和认证 Properties and approvals

	抗紫外线 UV-resistance	高 High
	耐水解 Hydrolysis-resistance	高 High
	耐低温 Cold-resistant	-55°C
	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)
	无卤素 Halogen-free	符合Following DIN EN 60754
	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 UL22188, 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]
-35/-25	10	11	12
-25/+80	7.5	8.5	9.5
+80/+90	10	11	12

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

FMM907

FMM907 动力电缆 Motor 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]
FMM907.15.04	4G1.5	8	61	95
FMM907.25.04	4G2.5	10	100	149
FMM907.40.04	4G4.0	11.5	163	221
FMM907.60.04	4G6.0	13.5	237	317
FMM907.60.05	5G6.0	15	297	387
FMM907.100.04	4G10	16.5	407	503
FMM907.100.05	5G10	19	515	634
FMM907.160.04	4G16	20	646	773
FMM907.160.05	5G16	22.5	815	963
FMM907.250.04	4G25	24	1014	1203

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

FMM907

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FMM912 动力电缆 Motor cables



- TPE外护套
- 带屏蔽
- 抗UV
- 耐油
- 抗水解和微生物
- 不含PVC和卤素

- TPE outer jacket
- Shielded
- UV-resistance
- Oil-resistant
- Hydrolysis and microbe-resistant
- PVC and halogen-free

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	-35°C至to +90°C
		非拖链内移动 Flexible moving	-50°C至to +90°C
		固定铺设 Fixed installation	-55°C至to +90°C
	最大速度 v max.	架空 Unsupported	10 m/s
		滑行 Gliding	6 m/s
	最大加速度 a max.	100 m/s ²	
	行程距离 Travel distance	架空应用和行程距离小于400米的滑行应用 Unsupported travels and up to 400 m and more 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	高机械性能的TPE混合物 Mechanically high-quality TPE mixture.
	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	低粘性的TPE基混合物，高度耐磨、柔性，符合拖链要求 Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and highly flexible, 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）

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

FMM912

特性和认证 Properties and approvals

	抗紫外线 UV-resistance	高 High
	耐水解 Hydrolysis-resistance	高 High
	耐低温 Cold-resistant	-55°C
	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)
	无卤素 Halogen-free	符合Following DIN EN 60754
	REACH	符合 According 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

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]
-35/-25	10	11	12
-25/+80	7.5	8.5	9.5
+80/+90	10	11	12

FMM902 动力电缆 Motor cables

产品编码 Part No.	芯数及截面积 Number of cores and conductor nominal cross-section [mm²]	外径 Outer diameter [mm]	铜含量 Copper index [kg/km]	重量 Weight [kg/km]
FMM912.40.01	(1×4.0)C	7.0	54	74
FMM912.60.01	(1×6.0)C	7.5	76	97
FMM912.100.01	(1×10)C	8.5	117	145
FMM912.160.01	(1×16)C	10.0	178	209
FMM912.250.01	(1×25)C	12.0	271	309
FMM912.350.01	(1×35)C	13.5	383	420
FMM912.500.01	(1×50)C	15.0	525	567
FMM912.700.01	(1×70)C	17.5	763	816
FMM912.950.01	(1×95)C	21.0	995	1072
FMM912.1200.01	(1×120)C	22.0	1245	1315
FMM912.1500.01	(1×150)C	24.5	1560	1608
FMM912.1850.01	(1×185)C	27.5	1890	2110

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

FMM917 动力电缆 Motor cables



- TPE外护套
- 带屏蔽
- 抗UV
- 耐油
- 抗水解和微生物
- 不含PVC和卤素
- TPE outer jacket
- Shielded
- UV-resistance
- Oil-resistant
- Resistant to hydrolysis and microbes
- PVC and halogen-free

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	-35°C至to +90°C
		非拖链内移动 Flexible moving	-50°C至to +90°C
		固定铺设 Fixed installation	-55°C至to +90°C
	最大速度 v max.	架空 Unsupported	10 m/s
		滑行 Gliding	6 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400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	TPE混合物适用于拖链 TPE 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	低粘性的TPE基混合物, 特别耐磨损且具有高度的灵活性, 适用于拖链 Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and highly flexible, adapted to suit the requirements in cable carriers. 颜色: 黑色 Color: Black RAL 9005	

FLEXMOV® Motor cables

FLEXMOV® 动力电缆

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	高 High
	耐水解 Hydrolysis-resistance	高 High
	耐低温 Cold-resistant	-55°C
	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)
	无卤素 Halogen-free	符合Following DIN EN 60754
	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 UL22188, 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]
-35/-25	10	11	12
-25/+80	7.5	8.5	9.5
+80/+90	10	11	12

FMM917

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FMM917 动力电缆 Motor 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]
FMM917.15.04	(4G1.5)C	10	89	140
FMM917.25.04	(4G2.5)C	11.5	133	198
FMM917.40.04	(4G4.0)C	13	203	280
FMM917.60.04	(4G6.0)C	16	288	409
FMM917.100.04	(4G10)C	18.5	468	613
FMM917.160.04	(4G16)C	23	738	943
FMM917.250.04	(4G25)C	27	1153	1432

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