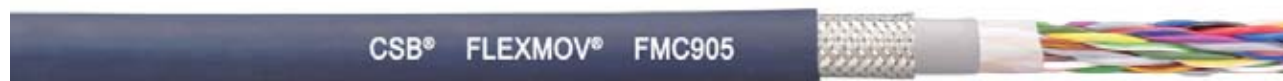


FMC905 控制电缆 Control cables



- TPE 外护套
- 带屏蔽
- 耐油、耐生物油
- 抗UV
- 抗水解和微生物
- 不含PVC和卤素
- 低温移动应用
- TPE outer jacket
- Shielded
- Oil and bio-oil-resistant
- UV-resistance
- Resistant to hydrolysis and microbes
- PVC and halogen-free
- Low-temperature-flexibility

移动参数 Dynamic Information

	最小弯曲半径 Min. bending radius	拖链内移动 Moving in cable carriers	5 x d
		非拖链内移动 Flexible moving	4 x d
		固定铺设 Fixed installation	3 x d
	使用温度范围 Temperature	拖链内移动 Moving in cable carriers	-35°C至to +100°C
		非拖链内移动 Flexible moving	-50°C至to +100°C
		固定铺设 Fixed installation	-55°C至to +100°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 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 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	芯线数量 < 12: 芯线以短节距绞合在一起 Number of conductors < 12: Conductors cabled in a layer with short pitch length. 芯线数量 ≥ 12: 芯线采用两次复绞，特别的抗扭力结构 Number of conductors ≥ 12: Conductors combined in bundles and stranded together around a high-tensile strength core, using short pitch directions for a low-torsion cable structure.
	芯线识别 Color code	截面积Cross-sectional < 0.75mm ² : 颜色代码符合 Color code in accordance with DIN 47100 截面积Cross-sectional ≥ 0.75 mm ² : 一根为黄绿芯线，其余均为黑色芯线带白色数字 Black with white numbers, one conductor green-yellow FMC905.03.05.INI: 棕色，蓝色，黑色，白色，黄绿色 brown, blue, black, white, green-yellow
	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	高度抗弯曲的镀锡铜丝编织。覆盖线性约70%，光学约90%。 Extremely 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: 钢青色 Color: Steel blue RAL 5011

FLEXMOV® Control Cables

FLEXMOV® 控制电缆

电气参数 Electrical Information

	额定电压 Nominal voltage	U ₀ /U: 300/500 V (符合following VDE0298-3)
	测试电压 Test voltage	2000 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 IEC60754
	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 UL22187, 600V, 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	6.8	7.5	8.5
-25/+90	5	6	7
+90/+100	6.8	7.5	8.5

FMC905

FLEXMOV®

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FMC905 控制电缆 Control 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]
FMC905.01.12	(12×0.14)C	8	38	78
FMC905.01.18	(18×0.14)C	9.5	64	121
FMC905.02.04	(4×0.25)C	6.5	24	49
FMC905.02.08	(8×0.25)C	8	40	78
FMC905.02.12	(12×0.25)C	9.5	66	122
FMC905.02.25	(25×0.25)C	12.5	112	212
FMC905.03.05.INI	(5×0.34)C	7	34	63
FMC905.05.04	(4×0.5)C	7	37	67
FMC905.05.05	(5×0.5)C	7.5	43	76
FMC905.05.07	(7×0.5)C	8.5	57	99
FMC905.05.12	(12×0.5)C	11.5	106	185
FMC905.05.18	(18×0.5)C	13.5	144	251
FMC905.05.25	(25×0.5)C	15	186	318
FMC905.07.04	(4G0.75)C	7.5	48	83
FMC905.07.05	(5G0.75)C	8	58	95
FMC905.07.07	(7G0.75)C	9.5	89	140
FMC905.07.12	(12G0.75)C	12	136	230
FMC905.07.20	(20G0.75)C	15	212	345
FMC905.07.25	(25G0.75)C	16	253	420
FMC905.10.02	(2×1.0)C	7.5	37	70
FMC905.10.03	(3G1.0)C	7.5	48	80
FMC905.10.04	(4G1.0)C	8	61	99
FMC905.10.05	(5G1.0)C	8.5	70	116
FMC905.10.07	(7G1.0)C	10	109	170
FMC905.10.12	(12G1.0)C	13.5	175	286
FMC905.10.18	(18G1.0)C	15.5	246	391
FMC905.10.25	(25G1.0)C	18	322	520
FMC905.15.04	(4G1.5)C	9	94	142
FMC905.15.05	(5G1.5)C	10	112	166
FMC905.15.07 ^{⑦)}	(7G1.5)C	11.5	149	231
FMC905.15.12	(12G1.5)C	15.5	243	383
FMC905.15.18	(18G1.5)C	19	372	579
FMC905.25.04	(4G2.5)C	11	140	220
FMC905.25.07 ^{⑦)}	(7G2.5)C	13.5	228	347
FMC905.25.12	(12G2.5)C	19.5	375	619
FMC905.40.04	(4G4.0)C	12.5	208	305
FMC905.40.05	(5G4.0)C	13.5	254	370

⑦) 当使用7G1.5mm²和7G2.5mm²电缆时; 滑行使用行距≥5m, 最小弯曲半径17.5xd

When using the cables with "7G1.5mm²" and "7G2.5mm²" minimum bend radius must be 17.5xd with gliding travel distance ≥ 5m.

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