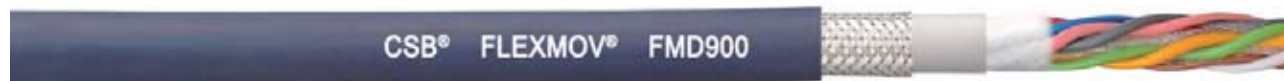


FLEXMOV® Data cables

FLEXMOV® 数据电缆

FMD900 数据电缆 Data cables



- TPE 外护套
- 带屏蔽
- 耐油
- 抗UV
- 抗水解和微生物
- 不含PVC和卤素
- TPE outer jacket
- Shielded
- Oil-resistant
- UV-resistance
- 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	6.8 x d
		非拖链内移动 Flexible moving	5 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 +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 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 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	每两根芯线以短节距对绞, 再将所有对线以短节距围绕高强度中芯线绞合在一起 Cores twisted in pairs with a short pitch length, core pairs then wound with short pitch lengths.
	芯线识别 Color code	截面积Cross -sectional < 1.0mm ² : 颜色代码符合 Color code in accordance with DIN 47100 截面积Cross -sectional ≥ 1.0 mm ² : 黑色芯线带白色数字 Black cores with white numbers.
	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

电气参数 Electrical Information

	额定电压 Nominal voltage	U ₀ /U: 300/300 V (符合following VDE0298-3)
	测试电压 Test voltage	1500 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 UL21481, 300V, 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	7.5	8.5	9.5
-25/+90	6.8	7.5	8.5
+90/+100	7.5	8.5	9.5

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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]
FMD900.01.04.02	(4×(2×0.14))C	7.5	30.0	63.0
FMD900.01.18.02	(18×(2×0.14))C	12.5	101.0	202.0
FMD900.02.01.02	(2×0.25)C	6.0	17.0	39.0
FMD900.02.02.02 ^④	(2×(2×0.25))C	6.5	26.0	47.0
FMD900.02.03.02	(3×(2×0.25))C	8.0	35.0	78.0
FMD900.02.04.02	(4×(2×0.25))C	8.5	42.0	90.0
FMD900.02.05.02	(5×(2×0.25))C	9.0	49.0	100.0
FMD900.02.06.02	(6×(2×0.25))C	10.0	69.0	125.0
FMD900.02.09.02	(9×(2×0.25))C	12.5	102.0	208.0
FMD900.02.10.02	(10×(2×0.25))C	13.5	103.0	207.0
FMD900.02.14.02	(14×(2×0.25))C	14.0	124.0	228.0
FMD900.03.08.02	(8×(2×0.34))C	13.0	106.0	209.0
FMD900.05.04.02	(4×(2×0.5))C	9.5	77.0	140.0
FMD900.05.06.02	(6×(2×0.5))C	12.0	103.0	198.0
FMD900.05.08.02	(8×(2×0.5))C	14.5	135.0	251.0
FMD900.07.03.02	(3×(2×0.75))C	10.5	83.0	155.0
FMD900.10.04.02	(4×(2×1))C	12.5	125.0	232.0
FMD900.15.06.02	(6×(2×1.5))C	16.5	247.0	420.0

④) 标有④的电缆为四星绞合式设计 Cables marked with ④ are four-star twisted design.

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