

FMD910 数据电缆 Data cables



- PUR 外护套
- 带屏蔽
- 耐油和冷却剂
- 抗UV
- 耐划痕
- 抗水解和微生物
- 不含PVC和卤素
- PUR outer jacket
- Shielded
- Oil-resistant and coolant-resistant
- UV-resistance
- Notch-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	10 x d
		非拖链内移动 Flexible moving	8 x d
		固定铺设 Fixed installation	5 x d
	使用温度范围 Temperature	拖链内移动 Moving in cable carriers	-25°C至to +80°C
		非拖链内移动 Flexible moving	-40°C至to +80°C
		固定铺设 Fixed installation	-50°C至to +80°C
	最大速度 v max.	架空 Unsupported	3 m/s
		滑行 Gliding	2 m/s
	最大加速度 a max.	20 m/s ²	
	行程距离 Travel distance	架空应用和行程距离小于50米的滑行应用 Unsupported travels and up to 50 m for gliding applications	

电缆结构 Cable structure

	导体 Conductor	高柔性设计的精细裸铜多股线 Fine bare copper stranded wires with high flexibility design
	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	单独芯线以短节距分层绞合在一起 The individual cores are wound in layers with a short pitch length.
	芯线识别 Color code	颜色代码符合 Color code in accordance with DIN 47100
	中间层 Intermediate layer	聚合物薄带缠绕在芯线束外 Foil taping over the outer layer.
	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PUR基混合材料，符合拖链要求（符合EN 50363-10-2标准） Low-adhesion mixture on the basis of PUR, adapted to suit the requirements in cable carriers (following DIN EN 50363-10-2). 颜色：灰色 Color: Grey RAL 7001

FLEXMOV® Data cables

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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	中 Medium
	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
	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 UL20233, 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]	< 10 m	≥ 10 m	< 10 m	≥ 10 m	< 10 m	≥ 10 m
	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]	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]
-25/-15	12.5	15	13.5	16	14.5	17
-15/+70	10	12.5	11	13.5	12	14.5
+70/+80	12.5	15	13.5	16	14.5	17

FMD910

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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]
FMD910.01.04	(4×0.14)C	5.5	15	39
FMD910.01.07	(7×0.14)C	6.5	24	54
FMD910.01.08	(8×0.14)C	7	26	64
FMD910.01.14	(14×0.14)C	7.5	41	79
FMD910.01.18	(18×0.14)C	8	51	97
FMD910.01.25	(25×0.14)C	8.5	66	101
FMD910.02.03	(3×0.25)C	5.5	18	41
FMD910.02.04	(4×0.25)C	6	22	45
FMD910.02.05	(5×0.25)C	6	25	50
FMD910.02.07	(7×0.25)C	7	33	65
FMD910.02.08	(8×0.25)C	7	39	72
FMD910.02.14	(14×0.25)C	8	60	103
FMD910.02.18	(18×0.25)C	9	71	122
FMD910.02.25	(25×0.25)C	10.5	97	152
FMD910.03.03	(3×0.34)C	5	25	47
FMD910.03.04	(4×0.34)C	5.5	30	54
FMD910.03.05	(5×0.34)C	6	34	60
FMD910.03.07	(7×0.34)C	6.5	45	84
FMD910.03.14	(14×0.34)C	8	74	126
FMD910.03.18	(18×0.34)C	8.5	91	156

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