

FMD612 数据电缆 Data cables



- PVC外护套
- 带屏蔽
- 耐油
- 阻燃
- 低成本
- PVC outer jacket
- Shielded
- Oil-resistant
- Flame resistance
- Low cost

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	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	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 DIN 47100 标准 Colour code following 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 flexible 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：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

	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 UL2464, 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	
	< 10 m	≥ 10 m	< 10 m	≥ 10 m	< 10 m	≥ 10 m
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]	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	12.5	15	13.5	16	14.5	17
+15/+60	10	12.5	11	13.5	12	14.5
+60/+70	12.5	15	13.5	16	14.5	17

FMD612

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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]
FMD612.01.03	(3×0.14)C	5.0	12.0	28.0
FMD612.01.04	(4×0.14)C	5.0	17.0	32.0
FMD612.01.05	(5×0.14)C	5.5	19.0	37.0
FMD612.01.07	(7×0.14)C	6.0	25.0	47.0
FMD612.01.14	(14×0.14)C	7.0	41.0	75.0
FMD612.01.18	(18×0.14)C	7.5	51.0	90.0
FMD612.01.24	(24×0.14)C	8.5	64.0	125.0
FMD612.02.03	(3×0.25)C	5.0	19.0	35.0
FMD612.02.04	(4×0.25)C	5.5	23.0	45.0
FMD612.02.05	(5×0.25)C	6.0	28.0	49.0
FMD612.02.07	(7×0.25)C	6.5	35.0	61.0
FMD612.02.08	(8×0.25)C	7.0	39.0	68.0
FMD612.02.14	(14×0.25)C	7.5	60.0	92.0
FMD612.02.18	(18×0.25)C	8.5	71.0	122.0
FMD612.02.24	(24×0.25)C	10.0	95.0	161.0
FMD612.03.02	(2×0.34)C	5.5	21.0	37.0
FMD612.03.03	(3×0.34)C	5.5	29.0	42.0
FMD612.03.04	(4×0.34)C	6.0	33.0	51.0
FMD612.03.05	(5×0.34)C	6.5	38.0	56.0
FMD612.03.07	(7×0.34)C	7.5	50.0	77.0
FMD612.03.10	(10×0.34)C	8.0	58.0	97.0
FMD612.03.14	(14×0.34)C	8.0	74.0	112.0
FMD612.03.18	(18×0.34)C	9.0	91.0	139.0
FMD612.03.24	(24×0.34)C	10.0	119.0	177.0

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