

FM – PVC – supported

Mid rise - travelling height maximum 150m



Drawing according to article number 177690 - Type 8666-F



Description

Elevator suspension cable for indoor and panoramic elevators.

Application

To comply with the correct installation procedures please refer to the Datwyler installation manual which is available separately

Construction

Core flexible	class 5
Core insulation	PVC
Supporting members	HTF = High tensile fibre, ST = Steel, diameter in [mm]

General properties

Coax	grey
Core	black, white numbered, G = with green-yellow core(s)
Pair/quad	various colours or black with white numbers
Operating temperature	-15 °C - +70 °C
Outer sheath colour	grey
Outer sheath material	PVC

Electrical properties

Rated voltage U ₀ /U	according to table
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Mechanical properties

Acceleration	1.2 m/s ²
Maximum free suspension	80 m
Maximum running speed	3.0 m/s
Maximum travelling height	150 m
Recommended loop diameter	according to table, tolerance -50/+100 mm

Standards

Standard for flexible lift control cables	EN 50214
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Versions

Material number	Product	Cross sectional area [n x mm ²]	Rated voltage [V]	Loop [mm]	Suspension device	Cable design	Supporting members	Data elements	Outer dimensions (HxWxD)	CU rate [kg/km]	Weight [kg/km]	GTIN / EAN
165344	6599-F	24 G 0.75	300/500	300	LZ 1009	24 G 0.75 mm ²	HTF	none	4.3 mm x 73.1 mm	173	548	
156879	7770-F	24 G 0.75	300/500	400	LZ 1009	24 G 0.75 mm ²	ST Ø 2.5	none	4.3 mm x 73.2 mm	173	582	
176877	6900-F	6 G 1.50 6 x 1.00	450/750 300/500	400	LZ 1006	6 G 1.50 + 6 x 1.00 + 1 x 4 x 0.50 mm ² (STQ)	HTF	1 x 6347/3-F	6.4 mm x 53.0 mm	173	567	
166612	7500-F	12 G 1.00	300/500	400	LZ 1006	12 G 1.00 mm ² + 1 CX 75 Ω	HTF	1 x HF-2122-F	6.4 mm x 50.9 mm	139	516	
177690	8666-F	12 G 1.00	300/500	400	LZ 1006	12 G 1.00 + 1 x 4 x 0.34 mm ² (STQ)	HTF	1 x 8607-F	6.4 mm x 50.9 mm	142	522	
167018	8210-F	2 x 1.50	450/750	450	LZ 1006	2 x 1.50 + 8 x 2 x 0.50 mm ² (FTP) + 1 CX 75 Ω	HTF	1 x HF-2122-F + 8 x 6651-F	7.1 mm x 54.1 mm	149	565	
168191	8210-F	4 x 1.50	450/750	450	LZ 1009	4 x 1.50 + 8 x 2 x 0.50 mm ² (FTP) + 2 CX 75 Ω	HTF	2 x HF-2122-F + 8 x 6651-F	7.0 mm x 64.3 mm	201	640	
182058	8820-F	4 x 1.50	450/750	500	LZ 1009	4 x 1.50 + 8 x 2 x 0.50 mm ² (FTP) + 2 CX 75 Ω	ST Ø 2.5	2 x HF-2122-F + 8 x 6651-F	7.0 mm x 64.3 mm	201	723	
192360	8854/3-H			450	LZ 1006	4 x 2 x 0.50 mm ² (FTP)	ST Ø 2.5	4 x 6651/3-H	9.0 mm x 28.0 mm	56	442	
191093	8512-F	3 G 2.50 14 x 1.00	450/750 300/500	400	LZ 1009	3 G 2.50 + 14 x 1.00 + 4 x 2 x 0.50 mm ² (FTP)	ST Ø 2.5	4 x 6651-F	5.7 mm x 79.0 mm	232	802	
168185	8507-F			400	LZ 1006	12 x 2 x 0.50 mm ² (FTP)	HTF	12 x 6651-F	5.6 mm x 54.1 mm	147	445	
192453	8884-F	8 x 0.75	300/500	400	LZ 1006	8 x 0.75 mm ² + 4 FO G50/125 μm	ST Ø 2.5	4 x GF-2314	4.3 mm x 40.8 mm	58	301	

Subject to technical modification

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