ELSPRO-FLEX® THERM-MF

The ELSPRO-FLEX® THERM-MF cable is excellently suited for all thermal areas within industrial contexts, where conventional silicone cables cannot be used (or only conditionally) due to their inability to handle high mechanical loads.

SPECIAL FEATURES:

• high mechanical strength	→ in most fields of application, service life is extended significantly; in most cases no extra protective measures are needed - COST SAVINGS
• abrasion- and tear-resistant	→ low degree of exterior sheath damage
• strong resistance to chemicals	→ implementation even under challenging conditions: oils, grease, lyes, diverse chemical substances **- in certain cases a trial run may be advisable -**
• high flash point	→ in the case of fire, the charred exterior sheath provides an added insulating effect (safety aspect)
• halogen-free	→ additional safety in the case of fire
• enhanced flexibility	→ easy handling

TECHNICAL DATA:

Litz wire:	fine, tin-plated copper wire VDE 0295 class 5/CEI20-29C5 lead insulation EI 2 VDE 0207 T20 (notch-resistant)
Bending radius under dynamic use:	15 d
Temperature range:	– 50°C to at least +180°C, even higher for short periods
Nominal voltage:	450/750 V
Test voltage:	2,500 V AC
External sheath:	mechanically resistant and notch-resistant special black silicone mixture 2GM/VDE 0207 T21
Halogen-free:	IEC 754-1 and VDE 0472 T813/IEC 754-2
Breakdown voltage:	20 KV/mm

– other models on request / subject to modification and errors –

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Cross-Section in mm²	Outside Diameter in mm Mean Value	+/-	Order No.
2 x 0.75	6.4	0.2	**MF2075**
3 G 0.75	6.9	0.2	**MF3075**
4 G 0.75	7.6	0.2	**MF4075**
5 G 0.75	8.5	0.2	**MF5075**
7 G 0.75	9.2	0.2	**MF7075**
3 G 1.00	7.1	0.2	**MF310**
2 x 1.50	8.0	0.2	**MF215**
3 G 1.50	8.4	0.2	**MF315**
4 G 1.50	9.5	0.2	**MF415**
5 G 1.50	10.4	0.2	**MF515**
7 G 1.50	11.3	0.3	**MF715**
12 G 1.50	14.0	0.3	**MF1215**
16 G 1.50	17.1	0.4	**MF1615**
25 G 1.50	19.9	0.4	**MF2515**
3 G 2.50	9.8	0.2	**MF325**
4 G 2.50	11.1	0.3	**MF425**
5 G 2.50	12.4	0.3	**MF525**
5 G 4.00	14.0	0.3	**MF540**
5 G 6.00	16.6	0.4	**MF560**

Inside wiring up to 5 leads, color-coded
> 5-lead numbering

The designation MF stands for ***heightened mechanical strength*** and ***stronger tear resistance***.

Presentation: 100 m rings or drum

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