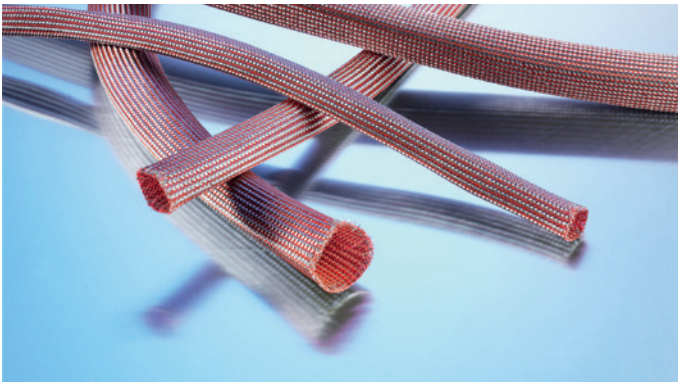

 TECHNICAL DATA SHEET

PMA EMC - F.HY - Hybrid Screening Braid

Very flexible, lightweight

PMA



CE

Applications:

- In ship building, railway construction and machine building
- For dynamic applications

Features & Benefits:

- Very high flexibility
- Excellent abrasion and vibration resistance
- Does not fray
- Good fire safety characteristics
- Due to two component structure, mechanical and electrical functions are clearly separated
- Thanks to tube former for small sizes:
 - no fold up of braid
 - easier processing and installation

Materials:

- Finest tin-plated copper wires mixed with polyester monofilament

Compatible with:

- EMCFIX Pro, EMCFIX fittings

Temperature range:

- -40°C ... +150°C continuous

Conforms to:

- EN 45545-2 HL2 (R22 & R23)
- NFPA 130
- UL 94 V0

Coverage:

- > 95%

Typical screening values::

- 45 - 67 dB at 100 MHz

Colour:

- Metal / Red

Chemical properties:

- Please refer to www.pma.ch (Technical Information / Chemical Resistance)

Environmental properties:

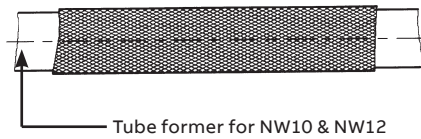
- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

Part no.	Braid specification	Braid size	Cross section	Range of application		Tolerance	Nominal wall thickness	approx. linear resistance	Weight	Packing unit
				min. Ø mm	max. Ø mm					
	numb. x Ø mm	NW	mm ²			mm	mm	m Ω / m	kg/100 m	metre
* F.HY.10	48 x 8 x 0.1	10	3.01	8.0	13.0	+/- 1.5	0.50	7.80	4.3	50
* F.HY.12	56 x 8 x 0.1	12	3.52	10.0	15.0	+/- 2.0	0.50	6.50	4.5	50
F.HY.15	68 x 10 x 0.1	15	5.34	12.0	18.0	+/- 3.0	0.50	4.55	6.8	50
F.HY.20	72 x 10 x 0.1	20	5.65	19.0	27.0	+/- 4.0	0.50	4.30	7.2	50
F.HY.35	120 x 10 x 0.1	35	9.42	30.0	40.0	+/- 4.0	0.50	2.60	12.0	50
F.HY.40	120 x 16 x 0.1	40	15.08	30.0	50.0	+/- 4.0	0.65	1.70	17.0	50

* with tube former / auf Trägerschlauch

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	-40 ... +150°C		

If used with PMA fittings made from polyamide, please consider their operating temperatures

Fire safety properties:	Value:	Test parameters:	Test method:
Flammability class	V0		UL 94
Fire hazard level	HL3		EN 45545-2 (R22)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 150 Ds max.		EN ISO 5659-2 (25 kW/m ²)
Toxicity	< 0.75 CIT _{NLP}		NF X 70-100-1/-2: (600°C)
Fire hazard level	HL3		EN 45545-2 (R23)
Oxygen index	> 32 %		EN ISO 4589-2
Smoke density	< 300 Ds max.		EN ISO 5659-2 (25 kW/m ²)
Toxicity	< 1.5 CIT _{NLP}		NF X 70-100-1/-2: (600°C)
Fire performance:			NFPA 130
- Flammability	compliant		ASTM E 162
- Smoke density	compliant		ASTM E 662
Smoke emission toxicity	compliant		Bombardier SMP 800-C

Content of delivery:

- Braid

Assembly instructions:

- Tube former should be removed for final application

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