

Braided hose

## FITCOFLEX® -I-PA15

Mechanical, self-extinguishing braided hose made of Polyamide 6.6 with high expansion rate.

**Application:**

Bundeling and mechanical, thermal and chemical protection of cable harnesses, sleeves and pipes.

**Operating temperature:**

-55°C up to +125°C

**Standard color:**

black

Description	Recommend range of application [mm]	
	(∅ min)	(∅ max)
FITCOFLEX-I-PA15 3	2.5	5
FITCOFLEX-I-PA15 6	4	10,5
FITCOFLEX-I-PA15 10	6	15
FITCOFLEX-I-PA15 13	11	18
FITCOFLEX-I-PA15 16	11	24
FITCOFLEX-I-PA15 20	18	30
FITCOFLEX-I-PA15 24	20	35
FITCOFLEX-I-PA15 30	20	37
FITCOFLEX-I-PA15 35	28	60
FITCOFLEX-I-PA15 45	35	50
FITCOFLEX-I-PA15 50	45	52

Spezial sizes on request

**Propreties:**

- Monofil: ∅ 0,25mm from polyamide 6.6
- Self-extinguishing (DIN 75200 / FMVSS 302)
- Excellent mechanical protection
- Flammability classification (DIN5510 Teil 1+2)
- Very good media resistance
- 100% recycleable

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### Packaging options:

On spool, Laser cut lengths in boxes

### Features:

	Testing	Value
Abrasion resistance	LV 312-3 (ISO 6722) PSA 9645870999E GME 8618	≥ 15.000 cycles (class F) ≥ 7.000 cycles (class 4) 144.000 cycles (non hole formation)
Flammability	FMVSS 302 (DIN 75200) DIN 5510-2	Self-extinguishing (category B) Flammability class S4 Gas toxicity class SR2 Drop-forming class ST2
Shrinking	ISO 6722	≤ 4%
Impact performace	PSA D421245 LV 312-3	No damages (C/200/50/-30°C) No damages (700/1200g bei -40°C)
Gas toxicity	NF F 16-101 NF F 16-102/STM-S-001 DIN 5510-2 (DIN EN ISO 5659-2)	F2 Fulfilled (appendix C)
Oxygen index	NF F 16-101/NF F 16-102/STM-S-001	I3
Hydrolysis resistance	GME 00053	Fulfilled
Thermal ageing	LV312-2	Fulfilled (240 h at 150°C)
Hot water jet testing	LV312-3	Fulfilled (No cracks or damages)
Fogging	VW 50180	Fulfilled (≤ 2mg)
Emission	VW 50180	Fulfilled (≤ 50µg C/G)

### Working advice:

After cutting with scissors free ends of tubing tend to fray. The tube ends should be rarely exposed during the setting up and be fixed afterwards.

- a) Fixing of the endings with heat shrinking tubing (possibly gluten coated).
- b) Fixing of the endings with adhesive tape.
- c) Harden with lace.
- d) Cutting of braid with soldering gun gaunger or hot cut machine. This way cloth fiber melt and will not split anymore. Right after cutting we recommend to press the tube ending in a right angle against a cold surface to drift the tube endings. This eases the later induction of cablebundles a lot.

TIP: When working with long lenghts you should fix the top of braid and the cable end with tape. Put over the braid and push it up to the beginning of the cable bundle, so the former inside of the tube is turned to the outside.