

Braided Hose

# FITCOFLEX®-I-PET12

FITCOFLEX®-I-PET12 is a halogen free and self-extinguishing braided hose made of 0,22mm polyester monofilament. It provides an extraordinary high expansion rate as well as a high temperature resistance and excellent mechanical protection.

FITCOFLEX®-I-PET12 is especially suitable for cable and pipe bundling for applications in the automotive industry.

**Operating temperature:** -55°C to +150°C

**Standard color:** Black



Bestellbezeichnung	Field of application (mm)	
	(∅ min)	(∅ max)
FITCOFLEX®-I-PET12 3	2	7
FITCOFLEX®-I-PET12 5	3	8
FITCOFLEX®-I-PET12 6	4	8
FITCOFLEX®-I-PET12 8	6	10
FITCOFLEX®-I-PET12 10	8	14
FITCOFLEX®-I-PET12 12	10	19
FITCOFLEX®-I-PET12 13	12	15
FITCOFLEX®-I-PET12 14	12	16
FITCOFLEX®-I-PET12 16	14	22
FITCOFLEX®-I-PET12 20	12	25
FITCOFLEX®-I-PET12 22	20	35
FITCOFLEX®-I-PET12 24	22	35
FITCOFLEX®-I-PET12 26	24	40
FITCOFLEX®-I-PET12 30	28	40
FITCOFLEX®-I-PET12 40	38	50
FITCOFLEX®-I-PET12 50	48	55

Special sizes on request

## Key Benefits:

- Melting point 250°C - 260°C
- Self-extinguishing (DIN75200 / FMVSS 302)
- Fire class (DIN5510 part 1+2)
- High expansion & 100% recyclable
- UL94-V2 & very good media resistance

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**Packaging:** On spools, cut lengths or printed tubing on request.

Properties	Test Method	Typical Value
<b>Mechanical</b>		
Abrasion resistance	LV 312-3 (ISO 6722) PSA 9645870999E GME 8618	≥5,000 cycles (class E) ≥7,000 cycles (class 4) 144,000 strokes
Shrinkage performance	ISO 6722	≤4%
Impact resistance	PSA D421245	No damage (C/200/50/-30°C)
	LV 312-3	No damage (700/1200g / -40°C)
<b>Thermal</b>		
Long term aging (3.000h x 150°C)	LV312-2	Pass
Short term aging (240h x 175°C)	LV312-2	Pass
Hot water jet test	LV312-3	Pass (No cracks or damage)
Flammability	FMVSS 302 (DIN 75200) DIN 5510-2	Self-extinguishing (Category B) Flammability class S4 Smoke emission SR2 Dripability class ST2 Classification: V2
	Fire test UL94 V	
Smoke index	NF F 16-101 NF F 16-102/STM-S-001 DIN EN 45545-2 (NF X 70-100)	F2 Pass (Requirement R22 & R23 -> Hazard Level HL3)
Smoke density	DIN EN 45545-2 (EN ISO 4589-2)	Pass (Requirement R22 & R23 -> Hazard Level HL3)
Hydrolysis resistance	GME 00053	Pass
<b>Chemical</b>		
Oxygen index	NF F 16-101 NF F 16-102/STM-S-001 DIN EN 45545-2 (EN ISO 5659-2)	I2 (Requirement R22 & R23 -> Hazard Level HL3)
Fogging	VW 50180	Pass (≤2mg)
Emission	VW 50180	Pass (≤50µg C/G)