

Braided Hose

FITCOFLEX® -I-PET35

Mechanical, flexible and halogen-free braided hose with high surface coverage.

Bundling and protection of industrial cabling and test harnesses with high temperature resistance. Universal application for a large number of different diameter ranges thanks to high expansion rate. Resistant to the physical and chemical conditions prevailing in the automotive sector, low weight and volume.

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

Standard colors: Black



Description	Nominal size	Field of application (mm)	
	(mm)	(∅ min)	(∅ max)
FITCOFLEX-I-PET35 4	4	3	7
FITCOFLEX-I-PET35 5	5	4	7
FITCOFLEX-I-PET35 6	6	5	9
FITCOFLEX-I-PET35 8	8	7	12
FITCOFLEX-I-PET35 10	10	7	16
FITCOFLEX-I-PET35 12	12	11	16
FITCOFLEX-I-PET35 14	14	11	22
FITCOFLEX-I-PET35 16	16	14	23
FITCOFLEX-I-PET35 18	18	15	24
FITCOFLEX-I-PET35 20	20	16	26
FITCOFLEX-I-PET35 22	22	18	33
FITCOFLEX-I-PET35 25	25	22	33
FITCOFLEX-I-PET35 30	30	28	37
FITCOFLEX-I-PET35 35	35	30	57
FITCOFLEX-I-PET35 40	40	34	46
FITCOFLEX-I-PET35 45	45	45	64
FITCOFLEX-I-PET35 50	50	50	80
FITCOFLEX-I-PET35 65	65	50	84
FITCOFLEX-I-PET35 70	70	60	88
FITCOFLEX-I-PET35 75	75	65	86

Special sizes on request

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Packaging: On spools, cut lengths or printed tubing on request.
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Properties	Test Method	Typical Value
Mechanical		
Abrasion resistance	LV 312-3 (ISO 6722) PSA 9645870999E GME 8618	≥ 5,000 cycles (Class E) ≥ 7,000 cycles (Class 4) 144,000 strokes
Impact resistance	PSA D421245 LV 312-3	No damage (C/200/50/-30°C) No damage (700/1200g bei -40°C)
Shrinkage performance	ISO 6722	≤ 4%
Thermal		
Long term aging (240h x 175°C)	LV312-2	Pass
Short term aging (3.000h x 150° C)	LV312-2	Pass
Hot water jet test	LV312-3	Pass (No cracking or damage)
Flammability	FMVSS 302 (DIN 75200) Fire testing UL94 V	Self-extinguishing (Category B) Flammability class S4 Classification: V2
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 -> Hazard Level HL3)
Smoke density	DIN EN 45545-2 (EN ISO 4589-2)	Pass (requirement R22 -> Hazard Level HL3)
Chemical		
Hydrolysis resistance	GME 00053	Pass
Oxygen index	NF F 16-101/NF F 16-102/STM-S-001 DIN EN 45545-2 (EN ISO 5659-2)	I2 Pass (requirement R22 -> Hazard Level HL3); requirement R23 -> Hazard Level HL3)
Fogging	VW 50180	Pass (≤ 2mg)
Emission	VW 50180	Pass (≤ 50µg C/G)

Key Benefits:

- Monofilament: ø 0,25mm from polyester
- Self-extinguishing (DIN75200 / FMVSS 302)
- Excellent mechanical protection
- Fire class (DIN5510 part 1+2)
- Very good media resistance
- 100% recyclable