Braided hose

FITCOFLEX-I-PET35®

Mechanical, halogen-free braided hose with high surface coverage. Bundeling and mechanical protection of wires and cables, e.g. testcable sets, pipes, hoses, control cables and linkages.

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

Standard colors: Black

Description	Recommended Application	
	min. [mm]	max. [mm]
Fitcoflex-I-PET35 4	3	10
Fitcoflex-I-PET35 6	4	10,5
Fitcoflex-I-PET35 8	6	11
Fitcoflex-I-PET35 10	8	14
Fitcoflex-I-PET35 14	10	22
Fitcoflex-I-PET35 20	18	25
Fitcoflex-I-PET35 25	18	33
Fitcoflex-I-PET35 40	28	42
Fitcoflex-I-PET35 50	35	80
Fitcoflex-I-PET35 70	45	87
Fitcoflex-I-PET35 100	90	100

Packaging: Continuos lengths on cardboard spools.
Special sizes on request.

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Attributes	Testing	Value
Abrasion resistance	LV 312-3 ISO 6722) PSA 9645870999E GME 8618	≥5000 cycles (Class E) ≥7000 cycles (Class 4) 144000 strokes
Flammability	FMVSS 302 (DIN 75200) UL94 V	Self-extinguishing (Category B) Flammability class S4 Class V2
Shrinking	ISO 6722	≤4%
Impact performance	PSA D421245 LV 312-3	No damages (C/200/50/-30°C) No damages (700/1200g with -40°C)
Smoke-gas toxicity	NF F 16-101 NF F 16-102/STM-S-001 DIN EN 45545-2 (EN ISO 5659-2)	F2 Fulfilled (Requirement R22-> Hazard Level HL3 Requirement R23-> Hazard Level HL3)
Oxygen index	NF F 16-101 NF F 16-102/STM-S-001 DIN EN 45545-2 (EN ISO 5659-2)	I2 Fulfilled (Requirement R22-> Hazard Level HL3 Requirement R23-> Hazard Level HL3)
Hydrolysis resistance	GME 00053	Fulfilled
Thermal ageing	LV 312-2	Fulfilled (240 h at 175°C / 3000h at 150°C)
Hot water jet test	LV 312-3	Fulfilled (no cracks or damages)
Fogging	VW 50180	Fulfilled (≤ 2mg)
Emission	VW 50180	Fulfilled (≤ 50µg C/G)
Smoke density	DIN EN 45545-2 (EN ISO 4589-2)	Fulfilled (Requirement R22-> Hazard Level HL3 Requirement R23-> Hazard Level HL3)

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.

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