

Convolute Tubing



CAFLEX

CAFLEX convoluted tubing is designed with special ribs for medium and heavy duty applications to highly protect wire harnesses in vehicles against mechanical risks: abrasion, crushing, chafing....

The ribs profile is conform to European specifications. It is particularly suited for trucks, trailers and heavy duty equipment.

CAFLEX has excellent chemical resistance.

Branching and fastening Delfingen accessories are compatible with the CAFLEX profile (collars, elbows, T or Y fittings, clips...).

The tube can be delivered slit or non-slit. An assembly tool can also be supplied for easy installation over the wires, available for diameters from 7.5 to 17 mm.



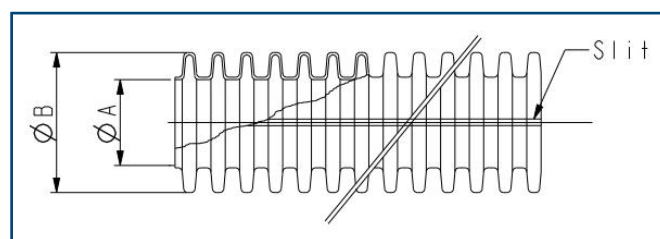
Characteristics

- **Colors:** standard color is black. Other colors upon request.
- **Material:** standard materials are shown in this table. A polypropylene material can also be proposed in a UL94 V-0 grade upon request, following validation steps.

Physical properties	Spec.	Unit	Standard polypropylene	High heat flame retardant polypropylene	Standard polyamide	Heat stabilized flame retardant polyamide
Thermal properties						
Continuous temperature of use - min/max	-	°C (°F)	-40/100 (-40/212)	-40/125 (-40/257)	-40/125 (-40/257)	-40/150 (-40/302)
Peak temperature	-	°C (°F)	125 (257)	150 (302)	150 (302)	175 (347)
Mechanical properties						
Tensile strength at break	ISO 527	MPa	>27,5	>27,5	85	100
Elongation at break	ISO 527	%	>600	>50	>45	700
Other properties						
Density	ISO 1183	g/cm ³	0.90	0.92	1.13	1.15
Flammability	FMVSS 302	mm/min	<100	<100	<100	self-extinguishing
Chemical resistance	Resists the majority of chemicals and automotive fluids (oils, coolant, battery liquid, brake fluid, fuels, windshield washer...)					

Dimensions

Designation	ID AØ (mm)	OD BØ (mm)
CAFLEX 07.5	6.7	10
CAFLEX 08.5	8.4	11.7
CAFLEX 10	9.9	13
CAFLEX 12	12.2	15.7
CAFLEX 17	16.6	21.2
CAFLEX 22	21.3	25.4
CAFLEX 29	29	34.5



Approvals

- Direct: Iveco/CNH, Renault Trucks/Volvo Trucks.
- Via Tier-1: John Deere.

Packaging

CAFLEX is delivered in containers, half-containers, coils or cut lengths from 15 to 2,000 mm (other lengths upon request only).

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