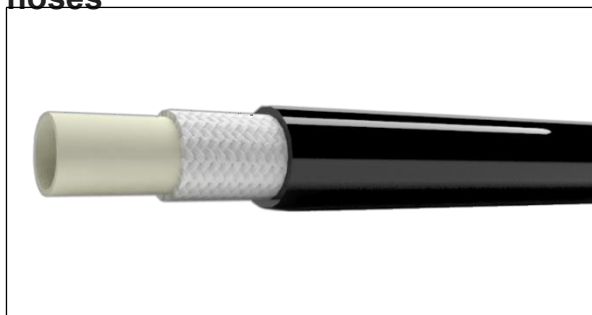


**Air conditioning
hoses**

FR 5
Lightweight thermoplastic freon hose

Inner layer	polyamide (PA), for diameters from 1/12"
Reinforcement:	up to 1/4" PA blend with TPE (thermoplastic elastomer)
Outer layer	Polyester braid
	Polyurethane (PU), resistant to abrasive, micro-perforated
Operating temp:	-45°C to +130°C
	(for water and air up to +70°C)

Lightweight, flexible hose for industrial refrigeration systems (alternative to copper tubing) and automotive air conditioning (for filling and testing functions only). In particular for freons (R22, R134a, R404a, R407c, R410a, R507) and compressor oils of the POE and PAG types. Hose sizes from 1/12" to 1/4" can also be used for CO₂ (R-744) transfer - using CO₂ as a refrigerant requires pressures approximately 10 times higher than for conventional freons.

Installation: Use fitting type ZC-FR (IT-46).

index	internal diameter [mm]	external diameter [mm]	working pressure [bar]	Bursting pressure [bar]	bend radius [mm]	mass [kg/100 m]
ZC-FR5-02	2,1	6	120	600	15	2,80
ZC-FR5-04	4	8,2	120	600	30	4,30

Assembly: Use type Z hardware (IT-46).

index	internal diameter [mm]	external diameter [mm]	working pressure [bar]	Bursting pressure [bar]	bend radius [mm]	mass [kg/100 m]
ZC-FR5-05	4,8	10,1	120	600	15	6,90
ZC-FR5-06	6,4	11,9	120	600	75	8,60
ZC-FR5-08	8,1	14,2	60	300	89	12,00
ZC-FR5-10	9,7	15,6	60	300	100	13,40
ZC-FR5-13	12,9	19,3	60	300	125	18,00
ZC-FR5-16	16	22,3	45	225	165	20,90
ZC-FR5-19	19,2	25,3	45	225	250	25,70
ZC-FR5-25	25,4	32,3	45	225	300	34,40