

- hoses and tubes that fit your application
- fast delivery
- custom-made designs by special request
- variable connection possibilities
- everything is compatible with all other SERTO products
- the best between two SERTO tube connections



stainless steel



PA



brass



PVDF



valves,
shut-off-valves



ready-to-fit
bended tubes



pre-assembled
kits



consulting

OXYGEN



cleaning options

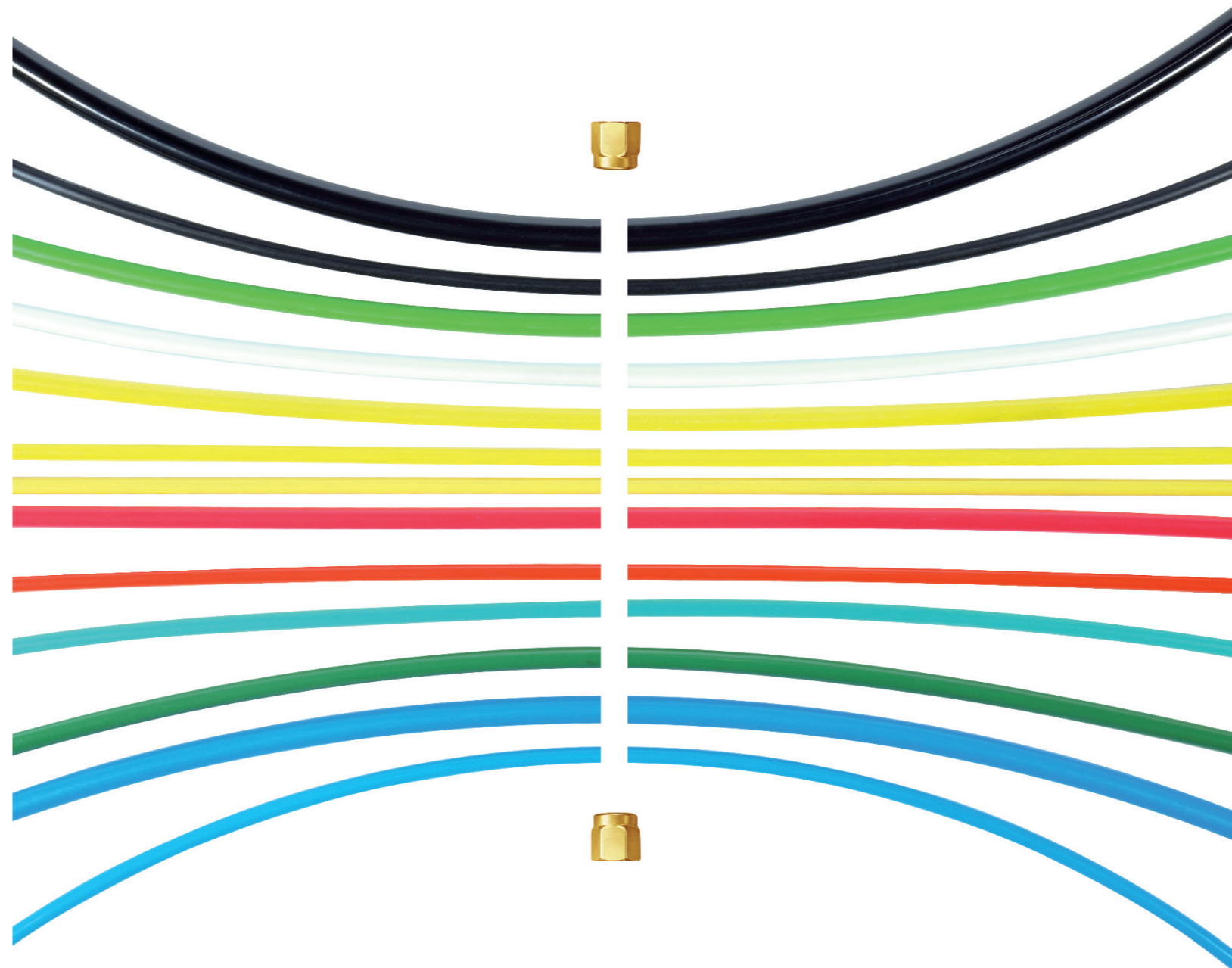
SERTO – The clever connection


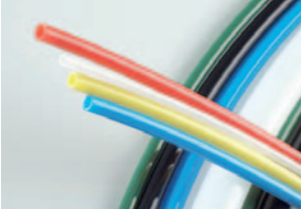


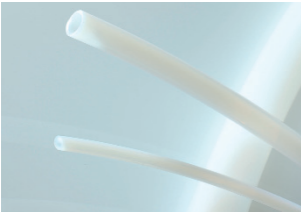
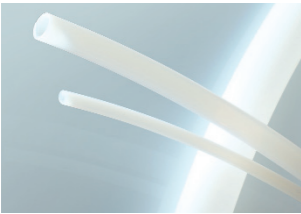



SERTO's in-house designers and developers cooperate closely with engineers at the ETH Zurich. So it's not surprising that new needs are constantly being addressed with new solutions. SERTO has been producing piping components and assemblies for the whole world since 1952. In other words, countless users are well connected with – and thanks to – SERTO.

Your SERTO partner:

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the best part between two connections also
comes from SERTO



	Hose type	Name	Applications	Resistance	Dimensions outer diameter	Pressure at 23° C depending on diameter	Temperature ranges	Colours	Special	To connect with
	LD-PE	Polyethylene	Compressed air for control technology, sampling lines, flexible pneumatic lines in the lower pressure range	Good chemical resistance against aqueous solutions of acids, lyes and salts as well as organic solvents. In black, very good UV resistance	4 – 16 mm	5 – 16 bar	– 40° C to + 80° C	Natural, black, blue, yellow, green or other colours on request	Impact resistant, good flexibility, non-toxic	<ul style="list-style-type: none"> • SERTO compression ferrules in: <ul style="list-style-type: none"> – PA – PVDF – Brass – Stainless Steel • SERTO Push-In Fittings • Valves • Hose nipples
	PAW	Polyamide soft	Compressed air, hydraulics, negative pressure, cooling lines, fuel and lubricant systems	Oils and fats, fuels, hydraulic fluids, alkalis, saline solutions. In black, good UV resistance	2 – 18 mm	9 – 22 bar	– 40° C to + 100° C	Natural, black, red, blue, yellow, green or other colours on request	Impact and notch impact resistant (even at – 40° C), low water absorption, narrow tolerance limits, smooth surface	
	PU	Polyurethane	Measurement and control technology, pneumatics, hydraulics, machine and motor building	Good chemical resistance to most oils, fats, aliphatic hydrocarbons, oxygen, ozone	6 – 10 mm	7 – 10 bar	– 50° C to + 80° C	Black and blue	Excellent bending, little distortion even with long-term stress, high cold flexibility, abrasion resistant	
	PVDF	Polyvinylidene-fluoride	Medicine, chemical engineering, analysis technology	Universal chemical resistance	6 – 12 mm	14 – 36 bar	– 20° C to + 120° C	Natural	Molecular, partially crystalline thermoplastic, excellent combination of stability, strength, abrasion resistance, stress crack and chemical resistance	
	PTFE	Polytetrafluoroethylene	Chemical engineering, analysis technology, vacuum	Universal chemical resistance	2 – 16 mm	7 – 55 bar	– 200° C to + 180° C	Natural	Good temperature resistance, non-toxic, very good flexibility, outstanding non-stick properties	
	PFA	Perfluoroalkoxy	Chemical industry, lab and medical technology	Universal chemical resistance	6 – 8 mm	15 – 25 bar	– 200° C to + 260° C	Natural	Lowest diffusion rate of all fluorocarbon plastics, very smooth surface, flame retardant	
	FEP	Fluorinated ethylene-propylene	Semiconductor, chemical industry, lab and medical technology and food industry	Universal chemical resistance	4 – 10 mm	9 – 37 bar	– 200° C to + 200° C	Transparent	Even less diffusion than PTFE, FDA-approved for use with foods	
	PE-RK PE-FK	PE round cable / - flat cable with PVC outer mantle	Pressure transfer tube bundles	Good chemical resistance against aqueous solutions of acids, lyes and salts as well as organic solvents	9 mm, or 8x14 mm	6 bar	max. 60° C	Single black tube with lettering, green casing	Resistant to lateral pressure, suitable for installation with electric cables	
	SERTOflex	SERTOflex PE plastic / aluminium composite tubing	Pneumatic control lines Compressed air applications	Good resistance against corrosion and weather	6 – 15 mm	12 – 30 bar	– 40° C to + 80° C	Black	Can be bent manually, retains shape, lightweight yet sturdy. Multilayer tube of PE and aluminium core	