



Heavy Duty Fluoropolymer Chemical Hose

Type 4121SGF and 4124SSF

- Applications:** This type is designed for hazardous chemicals where a PTFE chemical resistant liner is required for tank truck, railcar, and in plant transfers suitable for use with a wide variety of chemicals
- Construction:**
- Color/Cover: 4121SGF Light Blue/PVC coated Nylon, Abrasion, Ozone resistant
4124SSF Light Blue yellow stripe/PVC coated Nylon, Abrasion, Ozone resistant
 - Inner Wire: T316 Stainless Steel Wire
 - Inner lining: PFA, FEP, ETFE
 - Carcass: Polypropylene fabrics, films and seamless tubes
 - Outer Wire: 4121SGF Galvanized Steel
4124SSF T316 Stainless Steel
 - Extra: Special Color Coding and branding
- Physical properties:**
- Temperature Range: -22°F to +212°F (-30°C to +100°C)
 - Maximum elongation: ≤10% on test pressure
 - Vacuum range: 26 inHg (660 mmHg), 0.9 bar
 - Electrical properties: Electrically Conductive
≤2.5 ohm/m for sizes less than 2"
≤1.0 ohm/m for size 2" and above
- Standards:** EN13765:2010, IMO, IBC, BS5842, NAHAD-600:2005

End Fittings: Specially designed end fittings have been developed for use with Willcox Composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 28 for more information about end connections.

TECHNICAL DATA: TYPE 4121SGF AND 4124SSF									
Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
1	25	250	17.5	5.0	125	0.9	1.3	100	30
1½	40	250	17.5	6.0	150	1.1	1.6	100	30
2	50	250	17.5	6.0	150	1.4	2.1	100	30
3	80	250	17.5	9.0	225	2.1	3.1	100	30
4	100	250	17.5	11.0	275	2.5	3.7	100	30

Pressure based on safety factor 4:1
 Dimensions and weight are approximate and are subject to change
 For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering
 Increased operating temperatures will reduce working pressure of the assemblies
 Fitting pressure rating may limit working pressure of the assembly
 Rated working pressure is @ 70°F (21°C)