



Special Chemiflex® Fluoropolymer Chemical Hose
Type SGF947 and SSF947

Applications: This type is designed for hazardous chemical where a fluoropolymer chemical resistant liner is required for tank truck, railcar, and in plant transfer hose suitable for use with a wide variety of chemicals

Construction:

Color/Cover:	SGF947 Red/PVC coated Nylon, Abrasion, Ozone resistant
	SSF947 Red blue stripe/PVC coated Nylon, Abrasion, Ozone resistant
Inner Wire:	T316 Stainless Steel Wire
Inner lining:	PFA, FEP, ECTFE
Carcass:	Polypropylene fabrics, films
Outer Wire:	SGF947 Galvanized Steel
	SSF947 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: BS5842, NAHAD-600:2005

End Fittings: Specially designed end fittings have been developed for use with United Flexible 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 22 for more information about end connections.

TECHNICAL DATA: TYPE SGF947 AND SSF947

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	4	100	0.60	1.00	100	30
1½	40	250	17	5	125	1.00	1.50	100	30
2	50	250	17	6	150	1.20	1.80	100	30
3	80	250	17	8	200	2.00	3.00	100	30
4	100	250	17	13	325	3.00	4.50	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)