

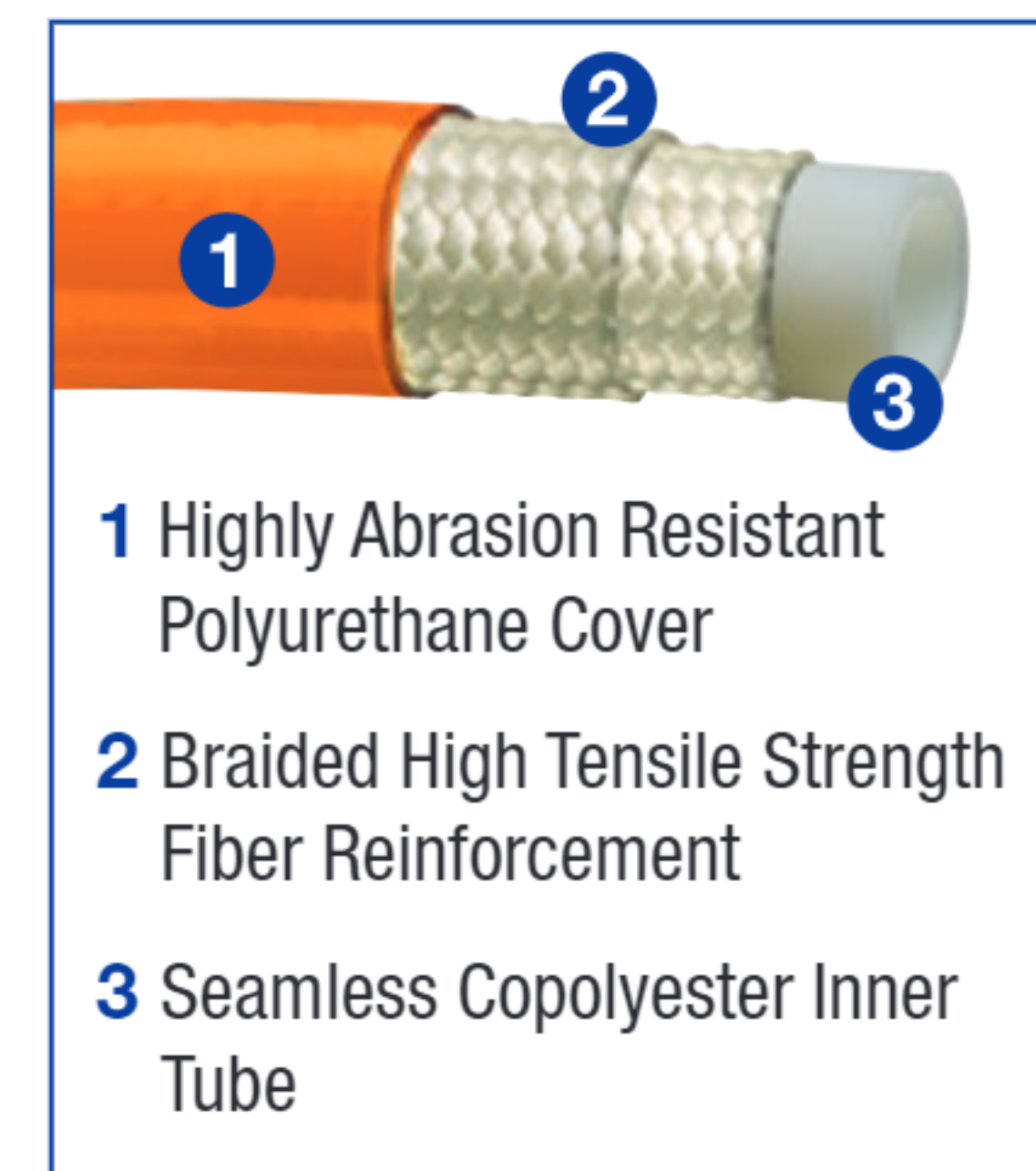


PF427 Series PF427NC Series

SAE 100R18 Constant Pressure Hydraulic Hose

GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF427NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools



CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF427), or non-conductive orange (PF427NC series) versions

SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids.

*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids.

FEATURES AND ADVANTAGES

- **Isobaric** – Consistent 3,000 PSI working pressure regardless of hose size. Eliminates user risk of hose misapplication within a given pressure system.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 32% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PF427 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.




View Up To Date Info



◀ SCAN OR VISIT
[KOA.link/
PF427](http://KOA.link/PF427)



COMPLIANCE DETAILS

Compliances	Size
 REACH [^]	All sizes
 SAE 100R18	All sizes
 SAE J517	All sizes

[^]NC Series (orange) only

APPROVED FITTINGS**

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

**Dependent on hose size

PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece Carbon Steel	One-Piece Stainless Steel	Two-Piece Ferrule Non-Skive
PF427/PF427NC	04	1/4	6.4	0.496	12.7	3000	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF427/PF427NC	06	3/8	9.7	0.650	16.5	3000	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PF427/PF427NC	08	1/2	13.1	0.834	21.1	3000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.