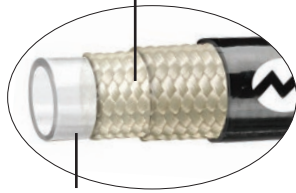


HOSES  
ONE-PIECE B SERIES  
ONE-PIECE D SERIES  
ONE-PIECE F & P SERIES  
TWO-PIECE FERRULES (A & PFR SERIES)  
TWO-PIECE INSERTS (A SERIES)  
TWO-PIECE INTERLOCK FERRULES & INSERTS (X & Z SERIES)  
QUICK RELEASE  
ASSEMBLY EQUIPMENT  
TECHNICAL INFORMATION

## PF528/PF528NC Series

Braided High Tensile Strength Fiber Reinforcement.



Specialty Grade Nylon Tube



Highly Abrasion Resistant Polyurethane Cover



### General Applications:

Piranhaflex™ **PF528** Series is ideal for general purpose high pressure hydraulic applications with working pressures of 2,250 to 5,000 psi (depending on size). This hose is commonly used in industrial hydraulic construction, material handling, and agricultural equipment. Piranhaflex™ **PF528NC** Series has an orange, non pin-pricked cover ideal for use in applications where a non-conductive high pressure hydraulic hose is required. Typical applications include: hydraulic tools, lubrication lines and man lifts.

(-03 & -16 MTO is available upon request)

### Construction:

Piranhaflex™ **PF528** and **PF528NC** Series consist of three individual components chemically bonded to ensure maximum performance.

**Tube** – Specialty grade nylon.

**Reinforcement** – Braided high tensile strength fiber reinforcement.

**Cover** – **PF528** Series has a **black** highly abrasion resistant polyurethane pin picked cover; **PF528NC** Series has an **Orange non-conductive (REACH Compliant), non-pin pricked cover.**

### Service Temperature Range:

-40°F (-40°C) to +200°F (+93°C) for petroleum based hydraulic fluids.

-40°F (-40°C) to +140°F (+60°C) for water-based and phosphate-ester based hydraulic fluids.

### Features & Advantages:

- Lightweight- less than about half that of comparable rubber/wire hose.
- Improved flexural rigidity, up to 17% less force to bend vs competitive 100R8 type hoses.
- Meets or exceeds SAE 100R8 impulse requirements at half of SAE recommended bend radius standards.
- Improved kink resistance, up to 50% more force required to reach kink initiation vs competitive 100R8 type hose styles.
- Will not swell or degrade in contact with most hydraulic fluids or oils.
- Highly abrasion resistant.
- Inner tube will not chip or peel in service, eliminating the possibility of system contamination.

### Packaging:

- Hoses supplied in 250 ft. reels.
- All reels will have no more than 2 pieces, with no piece less than 50' in length.
- All specials are treated as a made-to-order item and will require a minimum of 5,000 ft. to produce.

## Nominal Specifications

Series Number	Size Code	ID		OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	Ferrule Non-Skive
PF528/ <b>PF528NC</b>	04	1/4	6.5	0.584	14.8	5000	2.00	50	0.112	AFX-04	
PF528/ <b>PF528NC</b>	06	3/8	9.7	0.750	19.1	4000	2.50	64	0.154	AFX-06	
PF528/ <b>PF528NC</b>	08	1/2	12.9	0.935	23.7	3500	3.50	89	0.236	AFX-08	
PF528/ <b>PF528NC</b>	12	3/4	19.1	1.220	30.9	2250	4.50	114	0.352	AFX-12	

† Minimum burst pressure 4-to-1 safety factor.

**Freight:** Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

