

PIRANHAFLEX™ SAE 100R8

SERIES PF528 IS FOR GENERAL PURPOSE HIGH PRESSURE HYDRAULIC APPLICATIONS. COMMONLY USED IN INDUSTRIAL HYDRAULIC CONSTRUCTION, MATERIAL HANDLING, AND AGRICULTURAL EQUIPMENT. SERIES PF528NC HAS AN ORANGE, NON PIN-PRICKED COVER IDEAL FOR USE IN APPLICATIONS WHERE A NON-CONDUCTIVE HIGH PRESSURE HOSE IS REQUIRED, LIKE HYDRAULIC TOOLS, LUBRICATION LINES AND MAN LIFTS.



Braided High Tensile Strength Fiber Reinforcement.



Specialty Grade Nylon Tube

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.

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/PF528NC	04	1/4	6.5	0.584	14.8	5000	2.00	50	0.112	AFX-04	
PF528/PF528NC	06	3/8	9.7	0.750	19.1	4000	2.50	64	0.154	AFX-06	
PF528/PF528NC	08	1/2	12.9	0.935	23.7	3500	3.50	89	0.236	AFX-08	
PF528/PF528NC	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.

THERMOPLASTIC