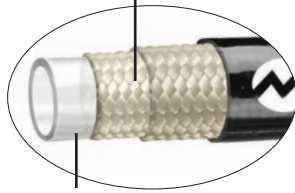


# PF528/PF528NC Series

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:

- Improved flexural rigidity, up to 17% less force to bend vs competitive 100R8 type hoses
- Improved kink resistance, up to 50% more force required to reach kink initiation vs competitive 100R8 type hose styles
- 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
- 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		Approx. 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.



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All Products sold and distributed by Kuriyama of America, Inc. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

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Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

## Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions. ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

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