

Welded Armored Pigtail



Article Overview

A welded armored pigtail is a flexible, high-pressure gas hose with welded metal construction and an outer armor casing to prevent kinking and ensure safety in specialty gas applications.

Construction and Materials

Welded armored pigtails are typically made with a corrugated stainless steel or Monel core, which provides flexibility while maintaining high-pressure resistance. The core is covered with braided stainless steel layers for additional strength. The end fittings, usually stainless steel or Monel, are welded directly to the hose, creating a leak-proof assembly suitable for high-purity or zero-effusion gas applications such as helium or hydrogen . An outer stainless steel armor casing is added to prevent kinking, whipping, or damage in case of internal failure .

Features

- High-pressure capability: Designed for pressures up to 3000 PSIG .
- Check valves: Some models include integrated check valves to prevent reverse gas flow .
- Zero-effusion: All-metallic welded construction ensures containment of even the smallest gas molecules .
- Custom configurations: Lengths, fittings, and optional tethering can be customized to meet specific requirements .
- Testing: Assemblies are pressure-tested to 150% of rated working pressure, and optional mass spectrometer helium leak testing is available for critical applications

Article Content

Pigtails | Genstartech

Genstar Technologies Company Inc. is a global provider of high-quality pressure regulators, fittings, valves, welding apparatus, and

PTFE & ETFE Core Flexible Hose Pigtails

PTFE pigtails, along with ETFE core pigtails are the the best all-around choice for flexible hose pigtails in many compressed gas

A2 Armored Indoor/Outdoor UV Rated Pigtails

Made with the same Bend insensitive glass as our Superior Flex A2 series, these pigtails take protection a notch further with an inner

Fiber Pigtail | Fiber Jumper | Optic Pigtail | Armored Pigtail | LongXing

Fiber Optic Pigtail Armored Overview The LongXing brand of fiber cable assemblies are designed and manufactured in LongXing's

Specialty Gas Hose

All-metallic, welded, specialty gas hose or pigtail in stainless steel or Monel construction. High-pressure

Armored ST Connector Fiber Optic Pigtail

We are a manufacturer of Armored ST Connector Fiber Optic Pigtails in competitive cost and short lead time. Our factory approved

Pigtails

Harris® offers pigtails with a variety of end fittings, including common CGA connections with integral non

GAOTek Fiber Optic Armoured Pigtail

This Fiber Optic Armoured Pigtail is designed using stainless steel tube with mini armored protection which

PTFE & ETFE Core

Along with the optional stainless steel armor casing, Unisource offers a variety of other options that can be specified on PTFE and

Armored Optical Fiber Pigtail vs. Standard: Which Is Better?

When it comes to telecommunications, the choice between armored optical fiber pigtails and standard pigtails can significantly

Why Armored Pigtails Are the Smart Choice for Outdoor Fiber Optic ...

What are armored pigtails? They provide superior mechanical protection against crushing, rodent damage, and environmental stress,

LifeGuard Metal Pigtails

CONSTRUCTION: All LifeGuard convoluted stainless steel inner core, double braided compressed gas hoses are tig welded and

Pigtails | McMaster-Carr

Choose from our selection of pigtails, including gauge siphon tubes, power cords, and more. Same and Next Day Delivery.

Flexible Pigtails On Western Enterprises

With products available in various lengths, from a few inches to hundreds of feet, Western provides reliable

Custom Fiber Optic Pigtails for Sale

FS offers custom fiber pigtails in any connector & fiber type with tight buffer, armored and bend insensitive fiber design for easy fusion

Failure analysis of cracking in the welded joints of hydrogen reformer ...

Cracking failure of Incoloy 800H welded joints used for about eight months occurred in hydrogen reformer outlet pigtail

Superior Flex Armored FTTX Premise Fiber Pigtails

Made with the same Bend insensitive glass as our Superior Flex A2 series, these pigtails take protection a

Comprehensive Guide to Fiber Optic Pigtails | Gezhi Photonics

Armored Pigtails: Encased with a stainless steel tube or other sturdy material inside the outer jacket, armored fiber

Pigtails

Established technology with a pedigree of resilience. Traditional Fusion Splice-On Connectors with pigtails

Flexible Pigtails On Western Enterprises

Explore Western's extensive range of flexible hoses, pigtails, and fittings designed specifically for the gas industry. Whether it's high

Flexible Gas Pigtails

Western Enterprises flexible gas pigtails: 3,000 and 6,000 PSI, brass and stainless steel. Oxygen and acetylene service, multiple

Armored Waterproof Pigtail

Armored Waterproof Pigtail Fiber optic waterproof pigtails can be used in harsh environment. It is mainly

LC Armored 3.0mm Pigtail

Superior Simplex OS2 Single Mode LC, SC, FC, ST, or LSH Armored 3.0mm Fiber Optic Pigtail Support: Fiber Fusion Splicing

Cylinder Lead Configurator Tool | Weldcoa

The industry's most elaborate, in-depth lead configurator for both charging and discharging flexible leads (pigtails) is now available!

Harris PIGTAIL-36" Armored SS-lined SS 1/4" NPT (F)

We offer a wide range of welding supplies, including MIG welders, TIG welders, stick welding machines,

Pigtail, Hoses, & Fittings

Outstanding Pigtails, Hoses and Fittings Features High pressure flexible hoses are available in 3000, 3600, 4350 and 6000PSI

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