Pigtail Cable Connector

Overview

Choose from our selection of pigtail connectors, including electrical connectors, data, audio, and video connectors, and more.

Key Takeaways

A pigtail cable connector provides a short, pre-terminated wire or fiber with a connector on one end and bare leads on the other, allowing you to splice, extend, or adapt wiring or fiber connections easily and reliably. It simplifies installation by moving the difficult connector termination to the factory and leaving only a splice in the field.Overview

A pigtail cable connector is a short length of wire, cable, or optical fiber with:

• One factory-installed connector (e.g., SC, LC, automotive sensor plug)

• One bare/stripped end for splicing, soldering, or crimping into an existing system

This design ensures a strong, reliable connection without needing to terminate a connector on-site.

What It Does1. Extends or Repairs Wiring
• Used to replace damaged connectors in automotive, industrial, or household wiring.

• Allows you to splice in a new connector without replacing the entire harness.
2. Adapts Connections
• Lets you connect multiple wires to a single terminal (common in electrical outlets).

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• Provides compatibility between devices and wiring systems.
3. Simplifies Fiber Optic Termination
• In fiber networks, pigtails are fusion-spliced to field fiber inside splice trays.

• Ensures low-loss, high-quality terminations because the connector is factory-made.
4. Improves Reliability and Safety
• Reduces stress on wires and prevents pull-through or twisting.

• Minimizes risk of electrical failures or shorts.
Common TypesCategoryExamplesUse CaseFiber optic pigtailsLC, SC, ST, FCTelecom, data centers, splice trays Automotive pigtailsO2 sensor, MAF, TPS connectorsReplacing damaged vehicle connectors Electrical pigtailsGrounding, outlet wiringConnecting multiple wires to one terminal Industrial pigtailsM12/M8 connectorsSensors and actuators in machinery Why They're Useful
• Faster installation (only splice required)

• More reliable connections (factory-terminated connector)

• Cost-effective repairs (no full harness replacement)

• Versatile across industries (electrical, automotive, fiber optics)

Pigtail connectors are widely used because they provide a simple, durable way to join devices to wiring systems while maintaining signal integrity and electrical safety.

Article Content

Amazon : Pigtail Wire Connector

SAE Connector, 4-Pack SAE Single Plug Pigtail Extension Cable, 14AWG | Pre-Stripped Bare Ends for Easy Wiring, Tinned Copper

Pigtail Connectors – Mouser

Mouser offers inventory, pricing, & datasheets for Pigtail Connectors.

What is a Pigtail Connector? A Complete Guide

Learn about pigtail connectors—short wires with a connector on one end—used to safely

Pigtail Connectors | McMaster-Carr

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Pigtail Connector

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12V 5A DC Power Pigtail Barrel Plug Connector Cable 5 Pairs, 2.1mm x 5.5mm Male Female DC Pigtail Connectors for CCTV

Fiber Optic Pigtails: Uses & Differences from Patch Cords

Understand fiber optic pigtails — definition, types, and how they differ from patch cords. Learn why pigtails ensure

Pigtail Cables

Pigtail cables are adapter cables that have very short lengths, small diameter size and are available in

Fiber Patch Cord & Pigtail: Complete Selection Guide 2026 | OPELINK

Comprehensive guide to fiber patch cord and pigtail types, LC/SC/FC/MPO connectors, UPC vs APC polish, insertion

FindPigtails | Automotive Connectors

Search the exact automotive plug, pigtail, or OEM connector you need in 30 seconds or less. No confusion, no part hunting, just

Amazon : Pigtail Power Connector

Amazon : pigtail power connector DC Power Pigtails Cable,3FT DC 5.5MM x 2.1MM Male Plug to Bare Wire Open End Power

Power Pigtail

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CPS-PT Pigtail CPS Power Adapter Cable | DiodeDrive

Pigtail wire leads power adapter cable for compact power supplies. Allows products with power wires to

What is a Fiber Optic Pigtail, and What Is It Used For?

A fiber optic pigtail is a type of fiber optic cable with only one end that has a factory-terminated connector and the

Amazon : Pigtail

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DC Power Pigtails Cable,3FT DC 5.5MM x 2.1MM Male Plug to Bare Wire Open End Power Wire Supply Repair Cable,16 AWG

Antenna Pigtail Cables | Connect modems & PCB''s to antenna connectors ...

Product Details Antenna Pigtail Cables Connect your modems and/or PCB''s to antenna connectors or connect cables to cables with

Electrical Pigtail Wire Connectors | Waytek

A pigtail connector is a cable that has an appropriate factory molded connector on one end and loose wires

Grounding Pigtail Wire Connectors at Lowes

Find Grounding Pigtail wire connectors at Lowe''s today. Shop wire connectors and a variety of electrical

Economy Flat Wire Pigtail, 50A F-30A M, 18" (14244)

50 Ampere F-30 Ampere M, 18 Inch Black Cord Is Made Of Durable PVC With Solid Brass Contacts Flexible Flat Bonded 10/3

Individual 8-pin vs Pigtail Connectors for GPUs

The 150W rating only applies to the connector on the GPU. In other words, the primary difference between the 6-pin and 8-pin is

6 Inch Flat 3 Core Male Pigtail Black Ray Wu Connector 5 Pack

Product Specifications Color: Black Compatible Connector Type: 13.5mm / Ray Wu Style Conductor Count: 3 Connector Size:

Pigtail Connectors Guide

Pigtail Connectors Guide - Definition, Operating Principles and Construction, Types In exploring key

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The DC Male Power Cable Pigtail combines professional-grade materials and precise engineering to deliver reliable power

The difference between pigtails and patch cords

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Pigtails are commonly utilized in fiber optic terminal boxes, which act as distribution points for fiber optic cables. They

What Is a Pigtail Connector and How Do You Install It?

Learn what a pigtail connector is, compare automotive, electrical, fiber, and coaxial types, and follow safe selection

UFL (IPEX/IPX) Mini PCI to N-Female Bulkhead Pigtail

N Female Bulkhead Mount with Waterproof O-ring to IPX/ U.FL Jack Right Angle Cable Using RG178,

What is Fiber Pigtail? A Complete Guide for Beginners

A fiber pigtail is a thin multimode or single-mode fiber optic cable with a connector installed on one end. The purpose

Pigtail Power Cord

DC Power Pigtails Cable, 5.5mm x 2.5mm Male Barrel Plug Connector to Bare Wire Open End 25cm for PC Laptop Toys Cellphone

What Is a Pigtail Connector: Types, Uses & Guide

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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