

Round-to-square pigtail



Article Overview

You can convert a round pigtail to a square pigtail using a dedicated round-to-square adapter or by fabricating a compatible connector with proper electrical considerations.

Using Commercial Adapters

For many laptop and electronic applications, ready-made adapters exist that convert a round jack to a square plug. For example, adapters compatible with IBM and Lenovo ThinkPad devices allow a 7.9×5.5mm round connector to connect to a square plug, maintaining proper power delivery and pin alignment . These adapters are compact, durable, and designed to ensure reliable electrical contact without modifying the original cables.

DIY or Custom Fabrication

If a commercial adapter is not available, a custom solution can be made by:

- Cutting and stripping the round pigtail cable.
- Preparing a square plug with matching voltage and current ratings.
- Soldering the wires carefully, ensuring correct polarity and secure connections.
- Using heat shrink tubing or insulation to prevent short circuits. For larger mechanical applications, such as tubing or structural pigtails, transition pieces can be fabricated using sheet metal or tubing techniques. Tools like transition calculators help generate flat pattern layouts for round-to-square transitions, ensuring accurate dimensions and minimal material waste . This approach is common in sheet metal f...

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7.9mm Round Jack to Square End Adapter Pigtail for IBM Lenovo

7.9mm Round Jack to Square End Adapter Pigtail for IBM Lenovo Thinkpad X1
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Amazon : Lenovo Round To Square Adapter

JMT DC 7.9 x 5.5mm Round Jack to Square USB Plug Converter Laptop Power Adapter
Connector Cable Compatible for Lenovo

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Pigtails & Sockets

Pigtails & Sockets A quality, proper fit pigtail or socket is the key to doing a job right, the first time. Wiring Depot features pigtails and

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Pigtail Bolt, Pigtail Anchor Bolt Manufacturer

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Pigtail Bolts

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