



Cat6a F/FTP FlexiBoot Slim Network Patch Cable, 0.5 m, Black

10G, 500 MHz, LSZH, 100% Copper, 32 AWG, RJ45, Stranded, Highly Bendable, Gold-plated Contacts

Part No.: **745079**

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Cat6a Ethernet Cable - F/FTP, 10G, 500 MHz LAN patch cord, ultra-thin and with highly flexible boot great for tight-space installations

Establish your high-performance network connections with this Cat6a Network Patch Cable from Intellinet Network Solutions. It supports up to 10 Gbps data transmissions with frequencies up to 500 MHz and all PoE applications up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE.

Strong, yet slim, space-saving design

This stranded cable offers all the benefits of a standard Cat6a network cable, but with a diameter that's considerably smaller. In dense cable installations, the cable creates a tidier and more-organized look, and its thinner size helps promote better air circulation to equipment in a network cabinet.

Excellent shielding for best signal quality and low noise

This stranded cable is ideal for high-performance network applications up to 10GBase-T. Its multi-layer F/FTP design features an overall aluminum foil shield around the entire set of pairs, with each individual pair also wrapped in foil. This

results in superior data transfer by preventing interference, such as near-end crosstalk (NEXT), when cables run parallel to each other.

Pure copper cable with gold-plated contacts for perfect conductivity

As opposed to other cables that are manufactured with copper-clad aluminum (CCA) or even copper-clad steel (CCS), this cable contains 100% pure bare copper for perfect conductivity, making it ideal for use in PoE applications. Gold plating on the contacts makes them corrosion-resistant in every environment.

Low Smoke Zero Halogen (LSZH/LS0H) jacket

The cable jacket does not contain any halogen, which significantly reduces the release of toxic gases and vapors, should combustion ever occur. LSZH is frequently part of health and safety regulations applying to poorly aired spaces where it protects people and equipment from corrosive gasses.

Ultra-Flexible Boot Design

The cable plugs are equipped with an extra-long boot that is extremely flexible and bendable for the best strain relief in cable runs around corners and in tight spaces.

Features:

- Certified Cat6a Class EA with 10G and 500 MHz in accordance with ISO/IEC 11801 and EN 50173-1
- Pure bare copper wire for maximum conductivity
- F/FTP with overall aluminum foil shielding around all pairs combined and individual aluminum foil around each pair
- Low Smoke Zero Halogen (LSZH/LS0H) jacket in accordance with IEC 60754-2 to reduce toxic gases in case of fire
- 50 micro-inch gold-plated contacts for corrosion-free connections
- Ultra-thin format for more flexibility and simplified cable management in dense installations
- Flexible connector covers to protect RJ45 plugs and allow the thin cable to be easily bent to the desired angle
- Ideal for HDBaseT and PoE applications up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE
- Heavy-duty strain relief
- Compatible and color-coded with T568A and T568B
- Standard 8P8C design, compatible with all network RJ45 connections
- Fully backward compatible with all the previous cable categories,

- including Category 6, 5e and 5
- Lifetime warranty

Specifications:

Standards and Certifications

- ISO/IEC 11801
- EN 50173-1
- UL
- CE
- RoHS
- REACH
- IEEE 802.3an (10GBase-T)
- Cat6a (ANSI/TIA-568.2-D)

General

- Supported transfer speeds: up to 10 Gbps
- Max. operating frequency: 500 MHz
- Supports all PoE standards up to IEEE802.3bt / PoE++ / 4PPoE / Ultra PoE
- Mating cycles: ≥ 750

Connectors

- Two RJ45 male
- 50 micro-inch gold-plated contacts

Cable

- 32 AWG
- Shielding: F/FTP with overall foil shield + foil around each pair
- LSZH jacket
- Wire: 100% pure bare copper (Cu)
- Jacket OD: 4.0 mm ± 0.3 mm
- Conductor type: stranded
- Cable type: round
- Length: 0.5 m
- Net weight: 22 g
- Gross weight: 27 g

Electrical

- Insulation resistance: ≥ 500 MOhm
- Contact resistance: 30 MOhm max.
- Dielectric withstanding voltage: 2500 VDC

Environmental

- Operating temperature: -10 - 60°C (14 - 140°F)
- Storage temperature: -40 - 70°C (-40 - 158°F)
- Operating humidity (non-condensing): 10 - 90% RH

Package Contents

- Cat6a F/FTP FlexiBoot Slim Network Patch Cable



