

# SHIELDED CAT 6 EASY CLEAR BOOT ETHERNET CABLES

The CAT 6 shielded easy clear boot PVC ethernet cable from ProLabs is a high-quality, reliable patch cable designed for demanding networking environments. This cable features shielded RJ-45 (male) to RJ-45 (male) connectors with a low profile clear easy boot locking tab protector. The cable remains lightweight and flexible, making it easier to run with fewer snags.

## Features

- **Ultra-Fast Connectivity:** The CAT 6 cable supports data transfer speeds of up to 10 Gbps (Gigabits per second) over shorter distances (up to 55 meters or 180 feet) and 1 Gbps over longer distances (up to 100 meters or 328 feet). It operates at a frequency of up to 250 MHz, making it ideal for high-performance networking tasks.
- **Shielded Twisted Pair (STP):** The cable consists of pairs of insulated copper wires twisted together enclosed in a conductive shield, usually made of foil or braided wire. This shielding provides a barrier against external electromagnetic interference (EMI) and reduces crosstalk between pairs, ensuring a stable and reliable connection.
- **PVC-CM Jacket:** The cable is encased in a durable PVC-CM jacket, which is suitable for indoor use. This type of jacket is flexible and lightweight, making the cable easy to manage and install.
- **PoE Capable:** The cable supports Power over Ethernet (PoE), allowing it to transmit both data and power over a single cable. This is particularly useful for devices like IP cameras, VoIP phones, and wireless access points.
- **TIA Compliant:** The cable meets the standards set by the Telecommunications Industry Association (TIA), ensuring it performs reliably for all networking needs.

## Technical Specifications

Parameter	Specification
Boot Type:	Shielded Easy Clear Boot
Connector Type:	RJ-45 (Male) to RJ-45 (Male)
Wire Gauge:	24AWG
Conductor Material:	Copper
Termination Type:	Straight
Shielding:	Yes (STP)
Strain Relief:	Yes
Wire Scheme:	T568B

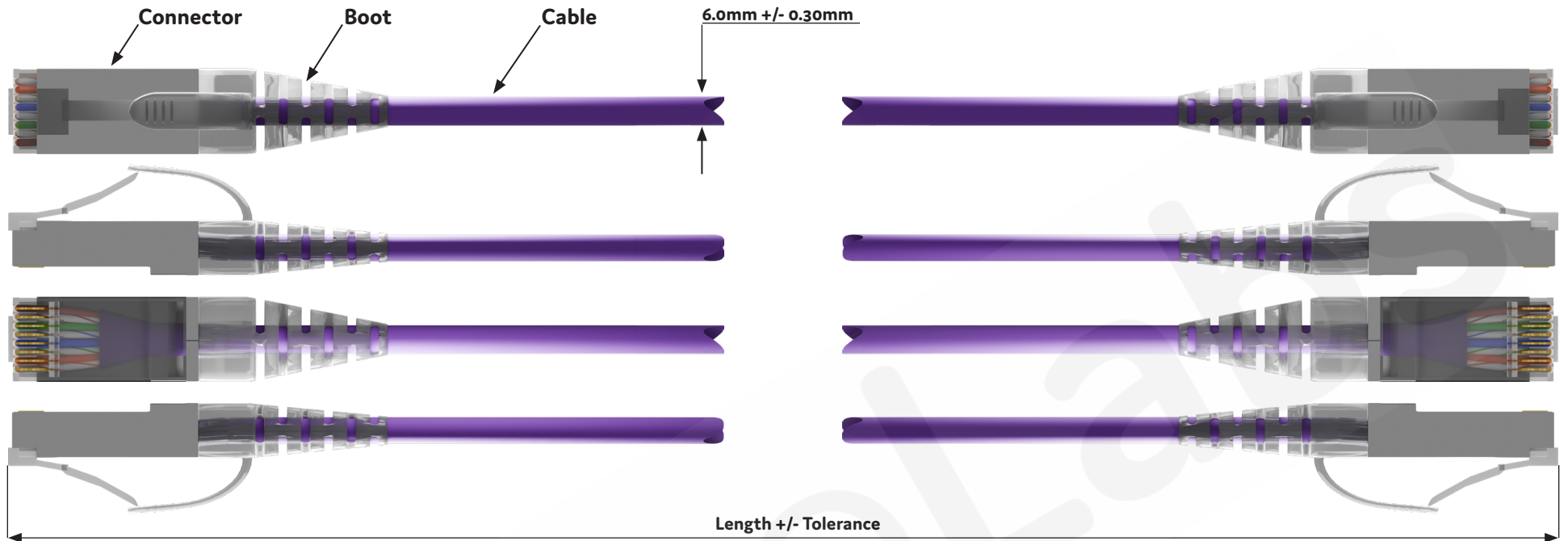


## Part Number Template

Color	Lengths
Red	C-xFCAT6S-RD
Orange	C-xFCAT6S-OE
Yellow	C-xFCAT6S-YW
Green	C-xFCAT6S-GN
Blue	C-xFCAT6S-BE
Purple	C-xFCAT6S-PE
Black	C-xFCAT6S-BK
Gray	C-xFCAT6S-GY
White	C-xFCAT6S-WE

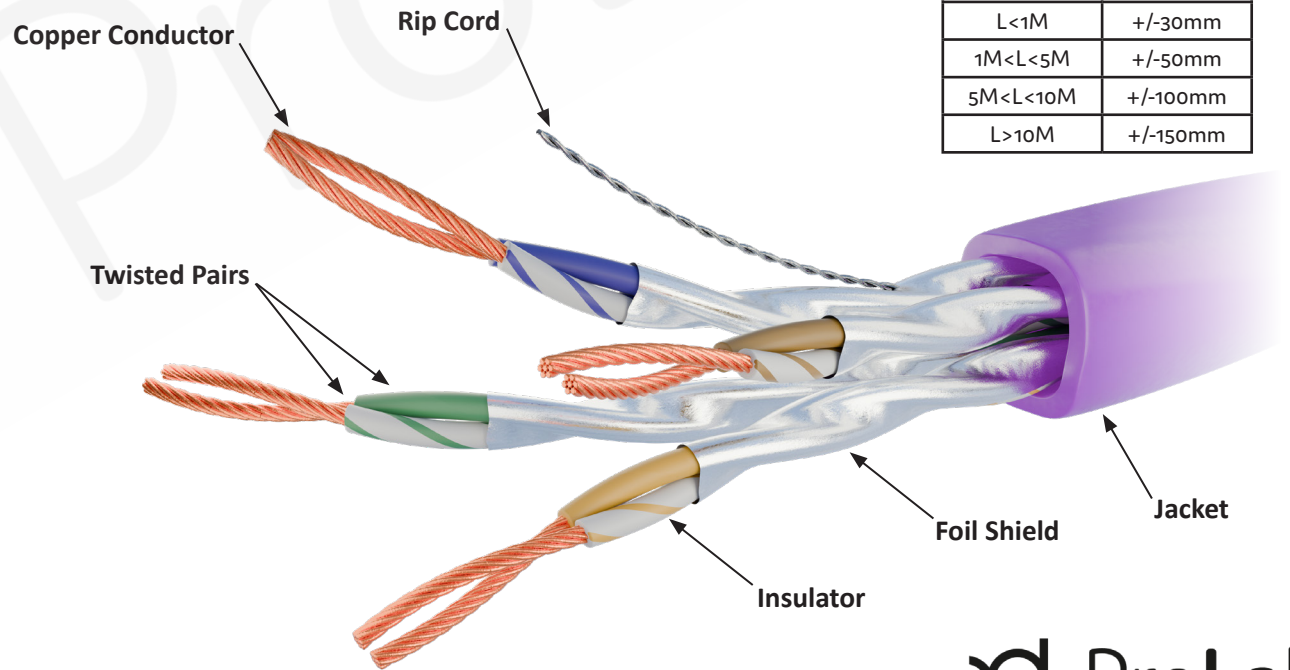
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# Mechanical Specifications



Close-up view of the RJ45 connector showing the pin positions 1 and 8.

Color (T568B)	P1	Pairs	P2
WHITE/ORANGE	1	-----	1
ORANGE	2	-----	2
WHITE/GREEN	3	-----	3
BLUE	4	-----	4
WHITE/BLUE	5	-----	5
GREEN	6	-----	6
WHITE/BROWN	7	-----	7
BROWN	8	-----	8



Length	Tolerance
L<1M	+/-30mm
1M<L<5M	+/-50mm
5M<L<10M	+/-100mm
L>10M	+/-150mm

ProLabs is a leading provider of optical networking solutions. For over two decades, we have delivered optical connectivity solutions that give customers freedom, choice, and seamless interoperability. We serve a diverse range of industries including enterprises, governments, and the largest worldwide service providers.

By championing higher standards for technology and service, ProLabs is changing the mindset of data centers and service providers the world over. We supply solutions that are 100% compatible in form and functionality across 100 OEM manufacturers, covering more than 20,000 systems and platforms.



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