

CAT 6 BUBBLE BOOT ETHERNET CABLES

The CAT 6 bubble boot PVC ethernet cable from ProLabs is a robust and high-performance patch cable designed for demanding networking environments. This cable features RJ-45 (male) to RJ-45 (male) connectors with a bubble boot molded locking tab protector, ensuring easy and quick connections.

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.
- **Unshielded Twisted Pair (UTP):** The cable consists of pairs of insulated copper wires twisted together. This design helps to minimize electromagnetic interference (EMI) and 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.



Part Number Template

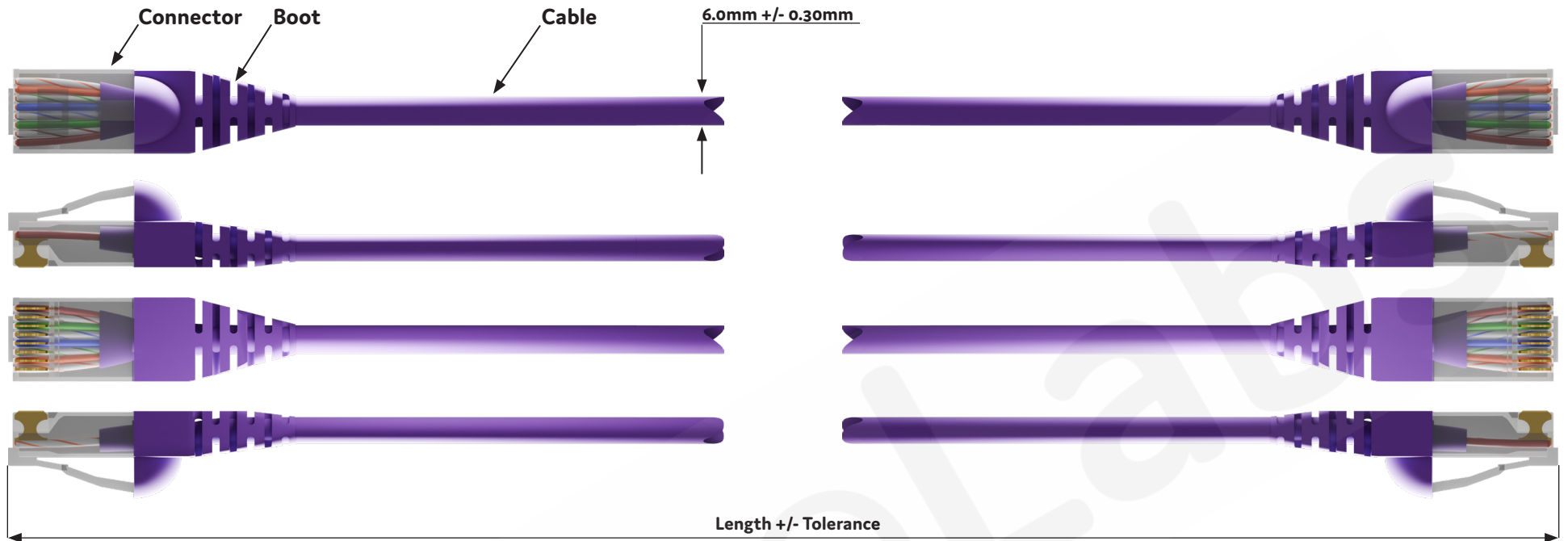
Color	Lengths
Red	C-xFCAT6-RD
Orange	C-xFCAT6-OE
Yellow	C-xFCAT6-YW
Green	C-xFCAT6-GN
Blue	C-xFCAT6-BE
Purple	C-xFCAT6-PE
Black	C-xFCAT6-BK
Gray	C-xFCAT6-GY
White	C-xFCAT6-WE

Technical Specifications

Parameter	Specification
Boot Type:	Bubble Boot
Connector Type:	RJ-45 (Male) to RJ-45 (Male)
Wire Gauge:	24AWG
Conductor Material:	Copper
Termination Type:	Straight
Shielding:	None (UTP)
Strain Relief:	Yes
Wire Scheme:	T568B

For a full list of products, please visit us at prolabs.com/copper

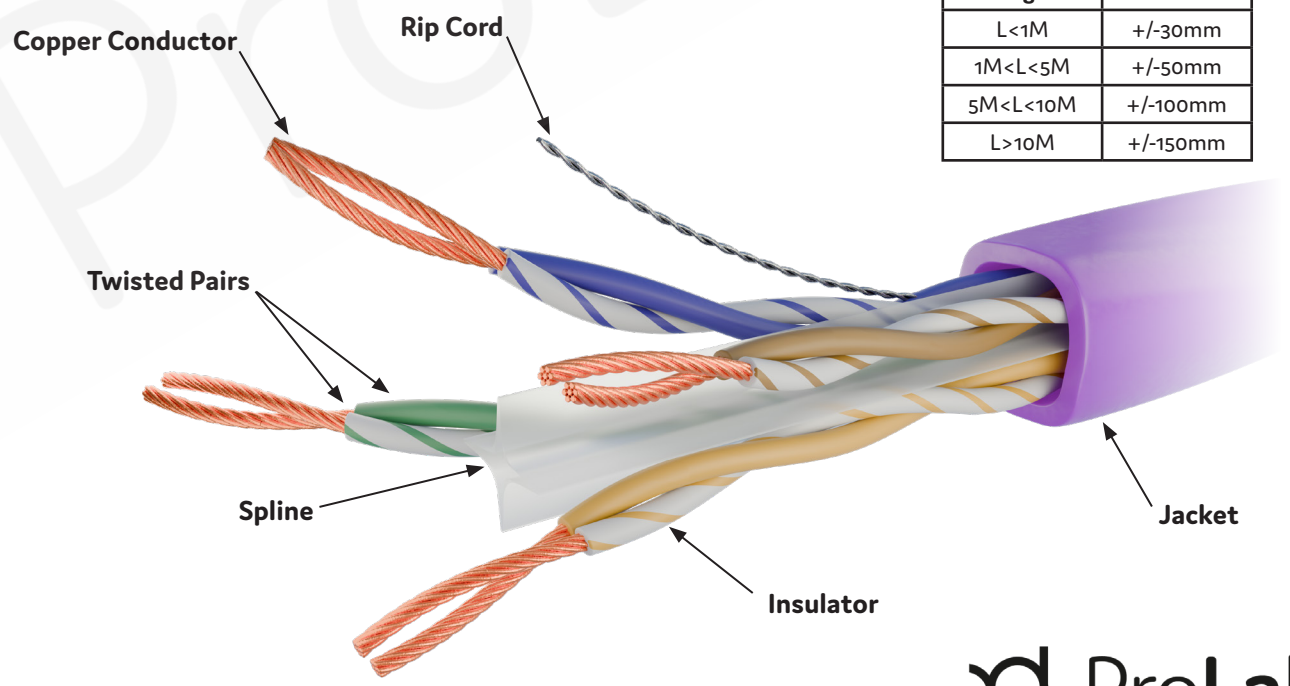
Mechanical Specifications



Length	Tolerance
$L < 1\text{M}$	$\pm 30\text{mm}$
$1\text{M} < L < 5\text{M}$	$\pm 50\text{mm}$
$5\text{M} < L < 10\text{M}$	$\pm 100\text{mm}$
$L > 10\text{M}$	$\pm 150\text{mm}$



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



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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