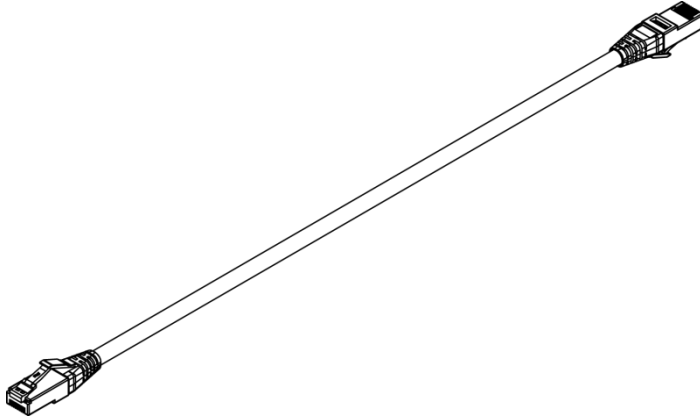


Patch Cord CAT 6A, Molded Boot

Package Includes

A. Patch Cord CAT 6A, Molded Boot, **1 Piece.**



Features and Benefits

- Component-rated CAT6A patch cords assuring high signal quality, minimal crosstalk and return loss, as well as minimizing alien crosstalk
- Creates a high-speed CAT6A Connection for cross and direct connects by patching cables
- runs to subsystems and equipment
- Designed with a low-profile, snagless boots for high-density applications
- Exceeds ANSI/TIA-568-C Category 6A connecting requirements
- Supports 10GbE bandwidth
- Shielded construction reduces EMI/RFI interference
- Compatible with lower Category 6 and 5e for U/FTP or Shielded cabling systems
- Available in Black, Blue, White & Yellow
- Available in 3, 5, 7, 10, 15, 25 ft.

Specifications**1. Construction:**

- A. Conductor:
 - 1. 4 Twisted Pair: Blue, Orange, Green, Brown
 - 2. 26 AWG (Stranded bare copper 7 X 0.152mm)
- B. Insulations: HDPE (Min. Thickness 0.153)
- C. Insulators Diameter: 1.03±0.10 mm
- D. Aluminum Foil: 50u x 12mm
- E. Drain Wire: 7 x 0.152mm
- F. Jacket: 75°C PVC
- G. Jacket Diameter: 0.248 ± 0.006 (6.3±0.15mm)
- H. Shielded Modular Plug: 8P8C
 - 1. Contact: Phosphor Bronze, 50u" Gold Plating
 - 2. Insulator: Polycarbonate, UL94V-2
 - 3. Color: Natural
- I. Boot: PVC

2. Electrical:

- A. Voltage Rating: 300V
- B. Temperature Rating: 75°C
- C. Dielectric Strength: DC 2.5 KV/2 sec or AC 1.75 KV/2 sec
- D. Mutual Capacitance: 5.6 nF/100m nominal
- E. Pair to Ground: 300 pF/100m/max
- F. Conductor DC Resistance: 14.2 ohms/km max at 25°C
- G. DC Resistance Unbalance: 4% max
- H. Characteristics Impedance: 100±15 ohms 1~500 MHz
- I. Propagation Delay Skew: 50ns/100m max. 1~500 MHz
- J. Velocity of Propagation: 70%

3. Mechanical:

- A. Tensile Strength: Polyolefin 2400PSI, Jacket (PVC) 2000PSI
- B. Elongation: Polyolefin 300% min, Jacket (PVC) 100% min

4. Standards:

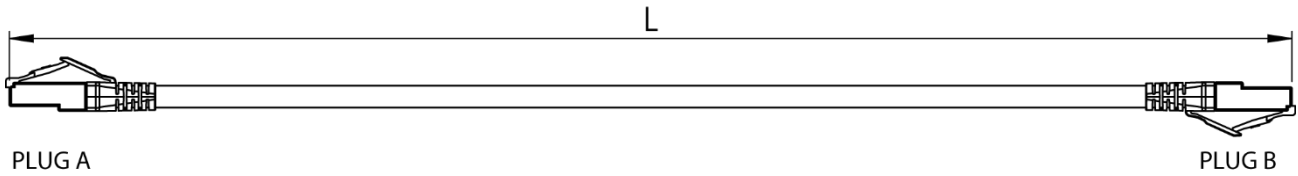
- A. ANSI/TIA-568-C (500 MHz)
- B. ISO/IEC 61156-6
- C. Flame Rating: UL 444, CMH, CMX, CM, CMG, CMR, FT4

5. Applications:

- A. 10GBase-T (IEEE 802.3an)
- B. 1000Base-TX (TIA/EIA-854)
- C. 1000Base-T (IEEE 802.3ab)
- D. 100Base-TX (IEEE 802.3u)
- E. 10Base-T (IEEE 802.3)

6. Color:

- A. Colors XX: BK-Black, BL-Blue, WH-White & YL-Yellow



FREQUENCY (MHz)	ATTENUATION (dB/100M)	NEXT (dB/100M)	PSNEXT (dB)	ELFEXT (dB/100)	PSELFEXT (dB/100M)	RL (dB)	DELAY (ns/100M)	VOP (%)
1	2.5	74.3	73.3	67.8	64.8	20	570	58.5
4	4.6	65.3	63.3	55.8	52.8	23	552	60.4
8	6.4	60.8	58.8	49.7	46.7	24.5	547	61
10	7.1	59.3	57.3	47.8	44.7	25	545	61.1
16	9.0	56.3	54.2	43.7	40.7	25	543	61.4
20	10.1	54.8	52.8	41.8	38.8	25	542	61.5
25	11.3	53.3	51.3	39.8	36.8	24.3	541	61.6
31.25	12.8	51.9	49.9	37.9	34.9	23.3	540	61.7
62.5	18.0	47.4	45.4	31.9	28.9	20.7	539	61.9
100	23.0	44.3	42.3	27.8	24.8	19	538	62
200	33.3	39.8	37.8	21.8	18.8	16.4	537	62.1
250	37.3	38.3	36.3	19.8	16.8	15.6	536	62.1
300	41.1	37.1	35.1	18.3	15.3	14.9	536	62.1
400	48.1	35.3	33.3	15.8	12.8	13.8	536	62.1
500	54.3	33.8	31.8	13.8	10.8	13	536	62.1

ITEM NUMBER	L(FT)	TOLERANCE (IN)
ICPCSG03XX	3	±1"
ICPCSG05XX	5	±1"
ICPCSG07XX	7	±1"
ICPCSG10XX	10	±1.5"
ICPCSG15XX	15	±1.5"
ICPCSG25XX	25	±1.5"

WIRING DIAGRAM		
PLUG A	PLUG B	COLOR
1	1	WHITE/ORANGE
2	2	ORANGE
3	3	WHITE/GREEN
4	4	BLUE
5	5	WHITE/BLUE
6	6	GREEN
7	7	WHITE/BROWN
8	8	BROWN

Part No: ICPCSGXXXX
 Rev: C
 Page 3 of 3

icc.com | cs@icc.com

