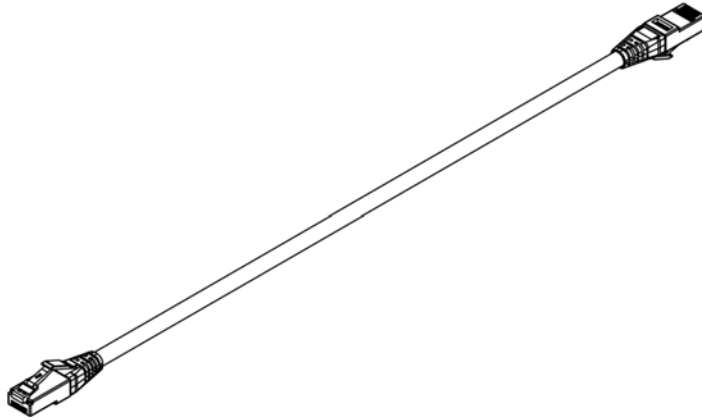


# Patch Cord CAT 6, Clear Boot, 25 Pack

## Package Includes

A. Patch Cord CAT 6, Clear Boot, **25 Pieces**.



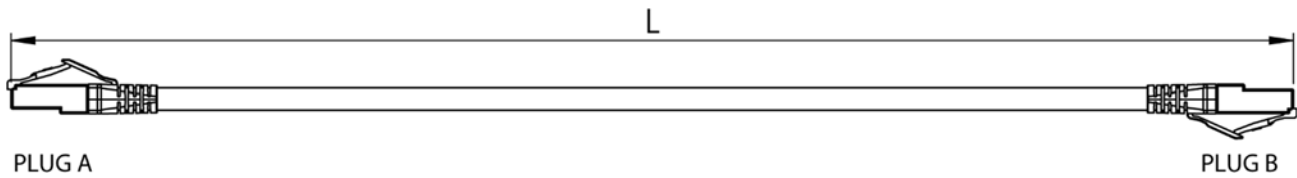
## Features and Benefits

- 100% factory tested, 50 micro inch gold plated contacts
- Exceeds ANSI/TIA-568-C requirements for permanent and channel link performances with ICC connectivity
- Ultra slim low profile boots for high density applications, no width wasted on boot
- Backwards compatible to all lower rated category components
- Constructed with ultra flexible, EZ release, snag free strain relief
- Stranded 24 AWG copper wire (No substandard tinned copper materials used)
- UL 1863 compliant with 94V-0 rate plug, CSA, CMS, FT4 flame rated
- Available in Blue
- Available in 1, 3, 5, 7, 10 ft.

**Specifications**

1. ELECTRICAL/PHYSICAL:
2. CABLE:
  - A. TEMPERATURE RATING, MAX 75°C
  - B. CAPACITANCE, MUTUAL 14.5 PF/FT AT 1 MHZ
  - C. DIELECTRIC WITHSTANDS, MIN AC-500V/1 MIN @ 20°C
  - D. VOLTAGE RATING, MAX 300V
  - E. D.C. RESISTANCE, MAX 24:89Ω/KM @ 20°C
  - F. IMPEDANCE, CHARACTERISTIC, NOM 100Ω±15 @ 1-100 MHZ 100Ω±20 @ 100-350 MHZ
3. MODULAR PLUG:
  - A. UL APPLICATIONS: RATED 2A, 150V
  - B. RESISTANCE OF INSULATION: 500 MEGOHMS
  - C. RESISTANCE OF TERMINATION: 35 MILLIOHMS MAX @ -40°C TO 70°C
  - D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VOLTS AC
4. MATERIAL & FINISH:
  - A. CABLE: CATEGORY 6 PATCH CABLE
  - B. JACKET: MATERIAL: PVC
    1. OVERALL DIAMETER: 0.236"±0.008"
    2. AVERAGE THICKNESS: 0.023"
5. CONDUCTOR:
  - A. INSULATION: HIGH DENSITY POLYETHYLENE
  - B. OVERALL DIAMETER: 0.038"±0.002"
  - C. AVERAGE THICKNESS: 0.007"
  - D. CONDUCTOR: 24 AWG (7X32) UL RATED, BARE COPPER WIRE, STRANDED
  - E. PERFORMANCE RATING: CATEGORY 6
6. MODULAR PLUG WITH LOADING BAR: UL AND cUL RECOGNIZED
  - A. HOUSING: PC, UL94V-0
  - B. COLOR: CLEAR
  - C. CONTACT: PHOSPHOR BRONZE, 0.014 INCH THICK
  - D. GOLD PLATING: 1.27 MICRONS/50μ" MIN ON CONTACTS
  - E. NO. OF CONTACTS: 8
7. STRAIN RELIEF BOOT:
  - A. MATERIAL: PC, UL94V-0
8. MECHANICAL:
  - A. CABLE-TO-PLUG TENSILE STRENGTH: 20 LBS [89N] MIN
  - B. DURABILITY: 200 MATING CYCLES MIN
9. COLOR: BL-BLUE





| FREQUENCY<br>(MHz) | ATTENUATION<br>(dB/100M) | NEXT<br>(dB/100M) | PSNEXT<br>(dB) | ELFEXT<br>(dB/100) | PSELFEXT<br>(dB/100M) | RL<br>(dB) | DELAY<br>(ns/100M) | VOP<br>(%) |
|--------------------|--------------------------|-------------------|----------------|--------------------|-----------------------|------------|--------------------|------------|
| 0.772              | 2.2                      | 76                | 74             | 70                 | 67                    | 19.4       | 575                | -          |
| 1                  | 2.4                      | 74.3              | 72.3           | 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                  | 25.4       | 546.7              | 61         |
| 10                 | 7.2                      | 59.3              | 57.3           | 47.8               | 44.8                  | 25         | 545                | 61.1       |
| 16                 | 9.1                      | 56.2              | 54.2           | 43.7               | 40.7                  | 25         | 543                | 61.4       |
| 20                 | 10.2                     | 54.8              | 52.8           | 41.8               | 38.8                  | 25         | 542                | 61.5       |
| 25                 | 11.4                     | 53.3              | 51.3           | 39.8               | 36.8                  | 24.2       | 541.2              | 61.6       |
| 31.25              | 12.8                     | 51.9              | 49.9           | 37.9               | 34.9                  | 23.3       | 540.4              | 61.7       |
| 62.5               | 18.5                     | 47.4              | 45.4           | 31.9               | 28.9                  | 20.7       | 538.6              | 61.9       |
| 100                | 23.8                     | 44.3              | 42.3           | 27.8               | 24.8                  | 19         | 538                | 62         |
| 200                | 34.8                     | 39.8              | 37.8           | 21.8               | 18.8                  | 16.4       | 536.5              | 62.1       |
| 250                | 39.4                     | 38.3              | 36.3           | 19.8               | 16.8                  | 15.6       | 536                | 62.1       |
| 300                | 43.7                     | 37.1              | 35.1           | 18.3               | 15.3                  | 14.9       | 536                | 62.1       |
| 350                | 47.7                     | 36.1              | 34.1           | 16.9               | 13.9                  | 14.3       | 536                | 62.1       |
| 400                | 51.6                     | 35.3              | 33.3           | 15.8               | 12.8                  | 13.8       | 536                | 62.1       |
| 500                | 58.7                     | 33.8              | 31.8           | 13.8               | 10.8                  | 13         | 536                | 62.1       |
| 550                | 62.1                     | 33.2              | 31.2           | 13                 | 10                    | 12.6       | 536                | 62.1       |

| ITEM NUMBER | L(FT) | TOLERANCE (IN) |
|-------------|-------|----------------|
| ICPCSF01XX  | 1     | ±0.5"          |
| ICPCSF03XX  | 3     | ±1"            |
| ICPCSF05XX  | 5     | ±1"            |
| ICPCSF07XX  | 7     | ±1"            |
| ICPCSF10XX  | 10    | ±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        |