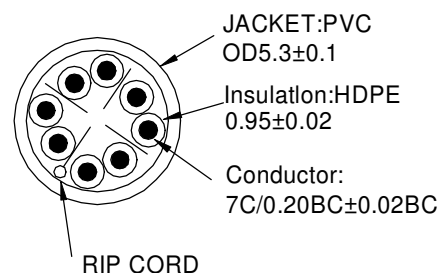


## CAT5E Snagless Boot UTP Patch Cords

Quest offers Cat5E snagless molded patch cords constructed of 350MHz Cat5E stranded UTP cable.

- Built with 350MHz stranded UTP cable
- Exceeds Cat5E ANSI/TIA 568C.2 standards
- Gold plated contacts for better conductivity
- Snagless slim molded strain relief with flexible molded tab protection
- Crossover cables available; Connects two computer devices directly together
- Non-molded custom lengths available upon request
- Constructed of UL listed cable



### Cat5E Snagless UTP Patch Cords



| Color  | 1 ft.    | 2 ft.    | 3 ft.    | 5 ft.    | 7 ft.    | 10 ft.   | 15 ft.   | 25 ft.   | 50 ft.   | 100 ft.  |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| BLACK  | NPC-1101 | NPC-1102 | NPC-1103 | NPC-1105 | NPC-1107 | NPC-1110 | NPC-1115 | NPC-1125 | NPC-1150 | NPC-1100 |
| BLUE   | NPC-1201 | NPC-1202 | NPC-1203 | NPC-1205 | NPC-1207 | NPC-1210 | NPC-1215 | NPC-1225 | NPC-1250 | NPC-1200 |
| RED    | NPC-1301 | NPC-1302 | NPC-1303 | NPC-1305 | NPC-1307 | NPC-1310 | NPC-1315 | NPC-1325 | NPC-1350 | NPC-1300 |
| ORANGE | NPC-1401 | NPC-1402 | NPC-1403 | NPC-1405 | NPC-1407 | NPC-1410 | NPC-1415 | NPC-1425 | NPC-1450 | NPC-1400 |
| YELLOW | NPC-1501 | NPC-1502 | NPC-1503 | NPC-1505 | NPC-1507 | NPC-1510 | NPC-1515 | NPC-1525 | NPC-1550 | NPC-1500 |
| GREEN  | NPC-1601 | NPC-1602 | NPC-1603 | NPC-1605 | NPC-1607 | NPC-1610 | NPC-1615 | NPC-1625 | NPC-1650 | NPC-1600 |
| WHITE  | NPC-1801 | NPC-1802 | NPC-1803 | NPC-1805 | NPC-1807 | NPC-1810 | NPC-1815 | NPC-1825 | NPC-1850 | NPC-1800 |
| GRAY   | NPC-1901 | NPC-1902 | NPC-1903 | NPC-1905 | NPC-1907 | NPC-1910 | NPC-1915 | NPC-1925 | NPC-1950 | NPC-1900 |

### Cat5E Crossover Cables



| Color | 1 ft. | 2 ft. | 3 ft.    | 5 ft.    | 7 ft.    | 10 ft.   | 14 ft.   | 25 ft.   | 50 ft.   | 100 ft. |
|-------|-------|-------|----------|----------|----------|----------|----------|----------|----------|---------|
| RED   | ----  | ----  | NPC-2303 | NPC-2305 | NPC-2307 | NPC-2310 | NPC-2314 | NPC-2325 | NPC-2350 | ----    |

# CAT5E Snagless UTP Patch Cords Technical Specifications

## Physical Characteristics

|                  |                                                   |
|------------------|---------------------------------------------------|
| Conductors       |                                                   |
| # of Pairs:      | 4                                                 |
| AWG:             | 24                                                |
| AWG Stranding:   | 7 Cond./0.20 mm ± .02 mm                          |
| Material:        | Stranded Bare Copper                              |
| # of Conductors: | 8                                                 |
| Drain Wire:      | None                                              |
| Wiring Scheme:   | 568A/B                                            |
| Plug:            | RJ45 Polycarbonate                                |
| Molded Boot:     | Rubber with Snagless Tab                          |
| Contacts:        | Phosphor Bronze with 3u" Gold over Nickel Plating |

## Pair Color Code Chart

|        |                             |
|--------|-----------------------------|
| Pair 1 | Orange* Orange/White Stripe |
| Pair 2 | Green* Green/White Stripe   |
| Pair 3 | Blue* Blue/White Stripe     |
| Pair 4 | Brown* Brown/White Stripe   |

## Insulation

|                   |                           |
|-------------------|---------------------------|
| Material:         | High-Density Polyethylene |
| Nominal Diameter: | 0.95 mm ± 0.02 mm         |
| Divider:          | None                      |

## Outer Shield

|           |            |
|-----------|------------|
| Material: | Unshielded |
|-----------|------------|

## Outer Jacket

|                   |                          |
|-------------------|--------------------------|
| Material:         | PVC (Polyvinyl Chloride) |
| Nominal Diameter: | 5.3 mm ± 0.1 mm          |
| Ripcord:          | Nylon Rope               |

## Electrical Characteristics

|                          |                               |
|--------------------------|-------------------------------|
| Dielectric Strength:     | 1500V RMS @ 60Hz for 1 minute |
| Current Rating:          | 1.5 Amps                      |
| Insulation Resistance:   | 500M Ohm Minimum              |
| Max. Contact Resistance: | 20m Ohm                       |

## Mechanical Characteristics

|                                   |                  |
|-----------------------------------|------------------|
| Termination:                      | RJ45 (8p8c)      |
| Connection:                       | Mated Connection |
| Durabilities:                     | 1000 cycles      |
| Storage Temperature Range:        | -20°C To +60°C   |
| Installation Temperature Range:   | -10°C To +60°C   |
| Operating Temperature Range:      | -20°C To +60°C   |
| Max. Recommended Pulling Tension: | 35 lbs           |
| Min. Bend Radius (Overall Cable): | 1.2 in           |

## Specifications and Agency Compliance

### Applicable Standards & Environmental Programs

|                         |     |
|-------------------------|-----|
| NEC/(UL) Specification: | CMR |
| ETL Specification:      | CMR |
| 3P Certified:           | Yes |

### Other Standards

|                                                             |     |
|-------------------------------------------------------------|-----|
| EU Directive 2002/95/EC (RoHS):                             | Yes |
| Telecommunications Standards: Category 5e - ANSI/TIA 568C.2 |     |

### Flame Test

|                   |                       |
|-------------------|-----------------------|
| UL Flame Test:    | UL1666 Vertical Riser |
| C(UL) Flame Test: | FT4                   |
| CSA Flame Test:   | FT4                   |

### Suitability

|                      |     |
|----------------------|-----|
| Indoor Use:          | Yes |
| Outdoor Use:         | No  |
| Aerial:              | No  |
| Burial:              | No  |
| Sunlight Resistance: | No  |
| Oil Resistance:      | No  |
| Non-halogenated:     | No  |
| Plenum (Y/N):        | No  |

## Performance

| Frequency (MHZ) | TIA<br>MAX Insertion<br>Loss*(dB) | Quest<br>MAX Insertion<br>Loss*(dB) | TIA<br>MIN Return<br>Loss*(dB) | Quest<br>MIN Return<br>Loss*(dB) | TIA<br>Min Psnext<br>*(dB) | Quest<br>Min Psnext<br>*(dB) | TIA<br>Min Psacr<br>*(dB) | Quest<br>Min Psacr<br>*(dB) |
|-----------------|-----------------------------------|-------------------------------------|--------------------------------|----------------------------------|----------------------------|------------------------------|---------------------------|-----------------------------|
| 1               | 2.4                               | 2.3                                 | 20                             | 20                               | 62.3                       | 62.4                         | 60.8                      | 60.9                        |
| 4               | 4.9                               | 4.85                                | 23                             | 23                               | 53.3                       | 53.2                         | 48.8                      | 48.8                        |
| 8               | 6.9                               | 6.95                                | 24.5                           | 24.5                             | 48.8                       | 48.95                        | 42.7                      | 42.75                       |
| 10              | 7.8                               | 7.75                                | 25                             | 25                               | 47.3                       | 47.5                         | 40.8                      | 40.9                        |
| 16              | 9.9                               | 10.1                                | 25                             | 25                               | 44.2                       | 44.6                         | 36.7                      | 36.75                       |
| 20              | 11.1                              | 11                                  | 25                             | 25                               | 42.8                       | 43.1                         | 34.8                      | 34.8                        |
| 25              | 12.5                              | 12.4                                | 24.2                           | 24.2                             | 41.3                       | 41.5                         | 32.8                      | 32.9                        |
| 31              | 14.1                              | 13.9                                | 23.3                           | 23.3                             | 39.9                       | 40.1                         | 30.9                      | 30.9                        |
| 62              | 20.5                              | 20.3                                | 20.7                           | 20.7                             | 35.4                       | 35.6                         | 24.9                      | 24.95                       |
| 100             | 26.4                              | 26.1                                | 19                             | 19                               | 32.3                       | 32.5                         | 20.8                      | 20.8                        |

## CAT5E UTP Patch Panels

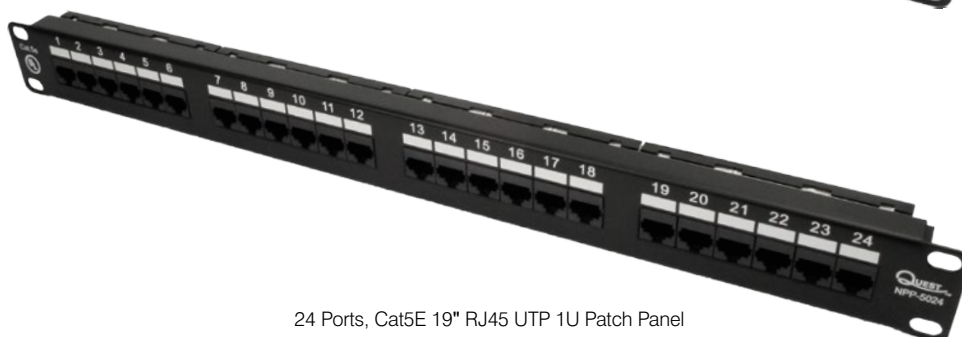
- Available in 16, 24 and 48 port 19" rack mount models
- 12 port wall mount panel includes 89D wall mount bracket
- 110 IDC termination to RJ45 UTP jacks wired to ANSI/TIA 568A/B standards



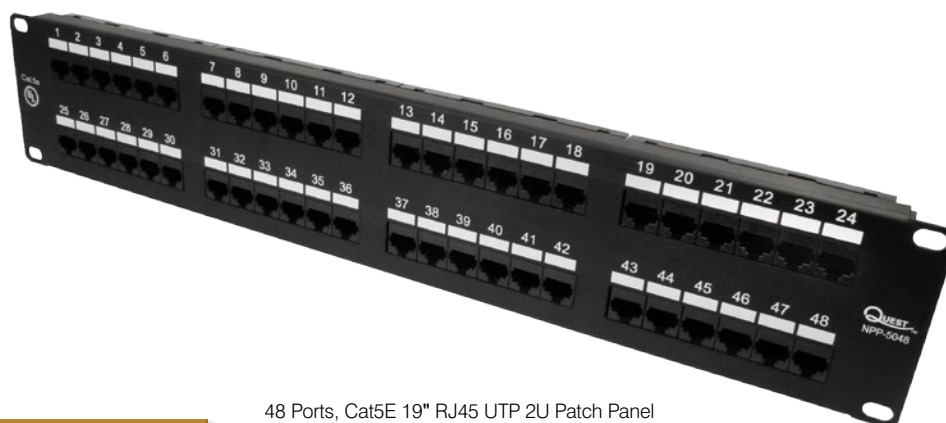
12 Ports, Cat5E RJ45 UTP Wall Mount Patch Panel with 89D wall mount bracket included



16 Ports, Cat5E 19" RJ45 UTP 1U Patch Panel



24 Ports, Cat5E 19" RJ45 UTP 1U Patch Panel



48 Ports, Cat5E 19" RJ45 UTP 2U Patch Panel

For Cat5E UTP Networking Cable  
See page 43-44

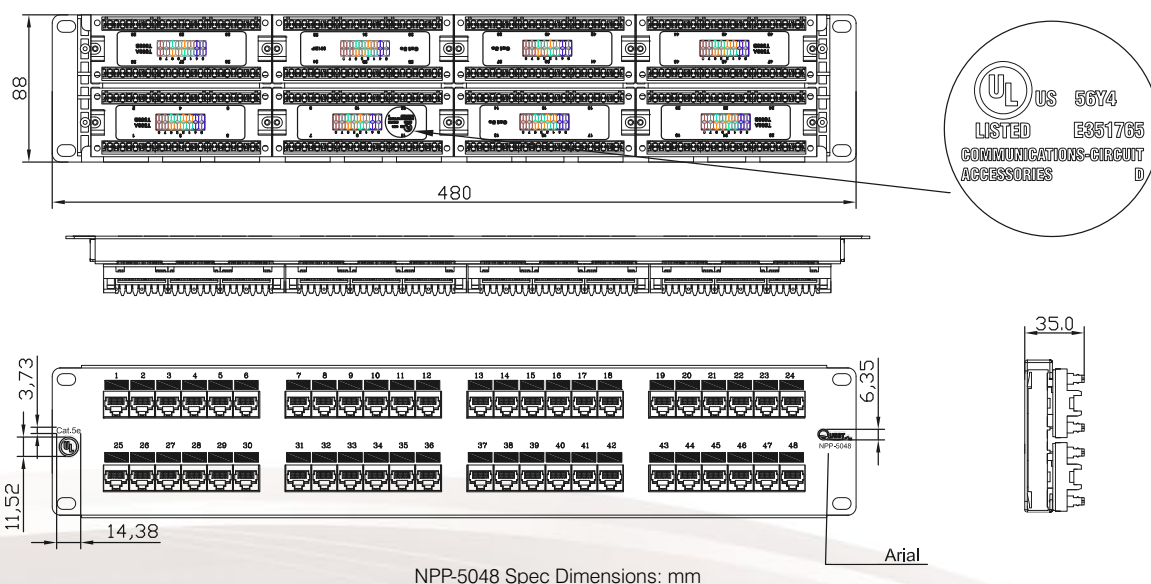


| Item #   | Color | Description                                                                          |
|----------|-------|--------------------------------------------------------------------------------------|
| NPP-5012 | BLACK | 12 PORTS, CAT5E RJ45 UTP WALL MOUNT PATCH PANEL, ANSI/TIA 568A/B, UL, W/ 89D BRACKET |
| NPP-5016 | BLACK | 16 PORTS, CAT5E 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL                    |
| NPP-5024 | BLACK | 24 PORTS, CAT5E 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL                    |
| NPP-5048 | BLACK | 48 PORTS, CAT5E 19" RJ45 UTP PATCH PANEL, 2U, ANSI/TIA 568A/B, UL                    |



## Physical Specifications

|                         |                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Termination:            | 110 IDC, RJ45                                                                                                                                     |
| Jack Housing:           | Poly Butylene Terephthalare resin high-impact UL94V-2                                                                                             |
| Spring wire:            | Phosphor Bronze C5210R-H, t=0.3 mm<br>50u" Gold over 70u" Nickel undercoat on contact area<br>180u" Tin over 70u" Nickel undercoat on solder area |
| IDC Housing:            | Polycarbonate resin high-impact UL94V-2                                                                                                           |
| IDC Contact:            | Phosphor Bronze C5191R-H, t=0.4 mm<br>200u" Tin over 60u" Nickel undercoat                                                                        |
| Insertion Life:         | 750 mating cycles with FCC compliant RJ-45 plug                                                                                                   |
| Contact Force:          | 100 grams with FCC compliant RJ-45 plug                                                                                                           |
| Plug Retention Force:   | 11 lbs. min                                                                                                                                       |
| Durability:             | 200 termination cycles                                                                                                                            |
| Contact compatibility:  | Accommodates 22 to 26 AWG solid/24 AWG stranded                                                                                                   |
| Operating Temperatures: | -10°C To 60°C                                                                                                                                     |
| Storage Temperatures:   | -40°C To 68°C                                                                                                                                     |
| Humidity:               | 10%~90%RH                                                                                                                                         |

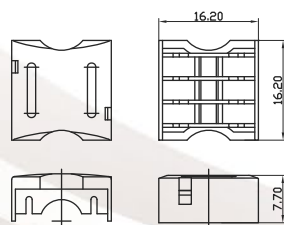
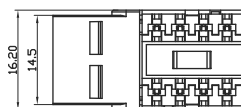
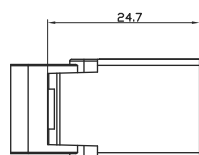
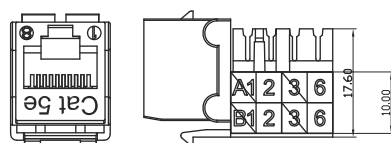
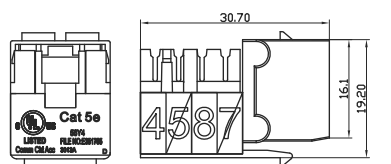


NPP-5048 Spec Dimensions: mm

## CAT5E 90 Degree Slim Keystone Jacks

Quest Cat5E Keystone Jacks are designed with 90 degree 110 IDC termination and have a slim-style body to fit in high-density keystone patch panels and wall plates.

- Use in keystone wall plates, patch panels and surface mount boxes
- Slim style design for high density patch panel use
- 110 IDC termination with RJ45 jack



IDC Cap

Spec Dimensions: mm

| Item #   | Color      | Description                                           |
|----------|------------|-------------------------------------------------------|
| NKJ-5500 | GRAY       | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5501 | BLACK      | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5502 | BLUE       | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5503 | RED        | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5504 | ORANGE     | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5505 | YELLOW     | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5506 | GREEN      | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5507 | IVORY      | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5508 | WHITE      | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5509 | ALMOND     | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5510 | LT. ALMOND | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-5511 | BROWN      | CAT5E SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |

### Physical Specifications

|                         |                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Termination:            | 110 IDC, RJ45                                                                                                                                     |
| Jack Housing:           | ABS high-impact UL94V-2 thermoplastic                                                                                                             |
| Spring wire:            | Phosphor Bronze C5210R-H, t=0.3 mm<br>50u" Gold over 70u" Nickel undercoat on contact area<br>180u" Tin over 70u" Nickel undercoat on solder area |
| IDC Housing:            | Polycarbonate resin high-impact UL94V-2 thermoplastic                                                                                             |
| IDC Contact:            | Phosphor Bronze C5191R-H, t=0.4 mm<br>200u" Tin over 50u" Nickel undercoat                                                                        |
| Insertion Life:         | 750 mating cycles with FCC compliant RJ-45 plug                                                                                                   |
| Contact Force:          | 100 grams with FCC compliant RJ-45 plug                                                                                                           |
| Plug Retention Force:   | 11 lbs. min                                                                                                                                       |
| Durability:             | 200 termination cycles                                                                                                                            |
| Contact compatibility:  | 22 to 26 AWG solid/24 AWG stranded                                                                                                                |
| Operating Temperatures: | -10°C To 60°C                                                                                                                                     |
| Storage Temperatures:   | -40°C To 68°C                                                                                                                                     |
| Humidity:               | 10%~90%RH                                                                                                                                         |



## CAT5E Inline Couplers

- Designed for joining of patch cables
- Dual RJ45 wired straight thru for data



| Item #   | Color | Description                   |
|----------|-------|-------------------------------|
| NKJ-5001 | BLACK | CAT5E INLINE COUPLER, 8P8C    |
| NKJ-5002 | BLACK | CAT5E INLINE KEYSTONE COUPLER |



## CAT5E Tooless Keystone Jacks

- Use in wall plates, patch panels and surface mount boxes
- Tooless 110 IDC termination, RJ45 jack
- Self contained IDC clips



| Item #   | Color | Description                       |
|----------|-------|-----------------------------------|
| NKJ-5401 | BLACK | CAT5E TOOLESS KEYSTONE JACK, 8P8C |
| NKJ-5402 | BLUE  | CAT5E TOOLESS KEYSTONE JACK, 8P8C |
| NKJ-5403 | RED   | CAT5E TOOLESS KEYSTONE JACK, 8P8C |
| NKJ-5408 | WHITE | CAT5E TOOLESS KEYSTONE JACK, 8P8C |



## CAT5E Punch Down 110 IDC Couplers

- 110 IDC punchdown termination
- Mounting hardware is included



| Item #   | Color | Description                      |
|----------|-------|----------------------------------|
| NCB-5008 | WHITE | CAT5E PUNCH DOWN 110 IDC COUPLER |



## CAT5E Tooless 110 IDC Couplers

- Tooless 110 IDC termination
- Unique leverage caps terminate 2 pairs at a time
- Mounting hardware is included
- Self contained IDC clips



| Item #   | Color | Description                   |
|----------|-------|-------------------------------|
| NCB-5018 | WHITE | CAT5E TOOLESS 110 IDC COUPLER |



## CAT5E Loaded SMB

- PCB Surface Mount Boxes eliminate the need for keystone jack inserts
- 110 IDC punchdown termination
- Available in single and dual RJ45 versions



| Item #   | Color | Description                          |
|----------|-------|--------------------------------------|
| NSB-5120 | WHITE | CAT5E SMB, SINGLE RJ45, 8P8C, LOADED |
| NSB-5130 | WHITE | CAT5E SMB, DUAL RJ45, 8P8C, LOADED   |



## CAT5E Tooless Loaded SMB

- PCB Surface Mount Boxes eliminate the need for keystone jack inserts
- The 110 IDC is designed with a tooless termination
- Eliminates need for a punch down tool
- Self contained IDC clips



| Item #   | Color | Description                          |
|----------|-------|--------------------------------------|
| NSB-5420 | WHITE | CAT5E TOOLESS SMB, SINGLE RJ45, 8P8C |

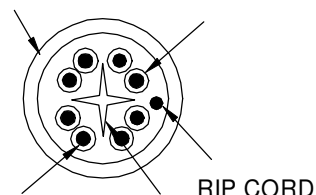
## CAT6 Snagless UTP Patch Cords

Quest Cat6 snagless molded patch cords are constructed of 24AWG, 550MHz Cat6 stranded UTP cable.

- Gold plated contacts for better conductivity
- Snagless slim molded strain relief with flexible molded tab protection
- Built to ANSI/TIA 568C.2 specifications
- Constructed of UL listed cable
- Non-molded custom length available
- Ultra-Slim 28 AWG UTP Component Patch Cords are available

JACKET:PVC  
OD6.0±0.1

Insulation:HDPE  
1.02±0.02



Conductor:  
7C/0.20BC±0.02BC

DIVIDER



**QUEST**  
Snagless Flexible  
Molded Boot

### Cat6 Snagless UTP Patch Cords



| Color  | 1 ft.    | 2 ft.    | 3 ft.    | 5 ft.    | 7 ft.    | 10 ft.   | 15 ft.   | 25 ft.   | 50 ft.   | 100 ft.  |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| BLACK  | NPC-6101 | NPC-6102 | NPC-6103 | NPC-6105 | NPC-6107 | NPC-6110 | NPC-6115 | NPC-6125 | NPC-6150 | NPC-6100 |
| BLUE   | NPC-6201 | NPC-6202 | NPC-6203 | NPC-6205 | NPC-6207 | NPC-6210 | NPC-6215 | NPC-6225 | NPC-6250 | NPC-6200 |
| RED    | NPC-6301 | NPC-6302 | NPC-6303 | NPC-6305 | NPC-6307 | NPC-6310 | NPC-6315 | NPC-6325 | NPC-6350 | NPC-6300 |
| ORANGE | NPC-6401 | NPC-6402 | NPC-6403 | NPC-6405 | NPC-6407 | NPC-6410 | NPC-6415 | NPC-6425 | NPC-6450 | NPC-6400 |
| YELLOW | NPC-6501 | NPC-6502 | NPC-6503 | NPC-6505 | NPC-6507 | NPC-6510 | NPC-6515 | NPC-6525 | NPC-6550 | NPC-6500 |
| GREEN  | NPC-6601 | NPC-6602 | NPC-6603 | NPC-6605 | NPC-6607 | NPC-6610 | NPC-6615 | NPC-6625 | NPC-6650 | NPC-6600 |
| WHITE  | NPC-6801 | NPC-6802 | NPC-6803 | NPC-6805 | NPC-6807 | NPC-6810 | NPC-6815 | NPC-6825 | NPC-6850 | NPC-6800 |
| GRAY   | NPC-6901 | NPC-6902 | NPC-6903 | NPC-6905 | NPC-6907 | NPC-6910 | NPC-6915 | NPC-6925 | NPC-6950 | NPC-6900 |

### Cat6 Ultra-Slim 28 AWG UTP Component Patch Cords



| Color | 1 ft.    | 2 ft.    | 3 ft.    | 5 ft.    | 7 ft.    | 10 ft.   | 15 ft.   |
|-------|----------|----------|----------|----------|----------|----------|----------|
| BLUE  | NPC-7201 | NPC-7202 | NPC-7203 | NPC-7205 | NPC-7207 | NPC-7210 | NPC-7215 |
| WHITE | NPC-7801 | NPC-7802 | NPC-7803 | NPC-7805 | NPC-7807 | NPC-7810 | NPC-7815 |
| GRAY  | NPC-7901 | NPC-7902 | NPC-7903 | NPC-7905 | NPC-7907 | NPC-7910 | NPC-7915 |

# CAT6 Snagless UTP Patch Cords Technical Specifications

## Physical Characteristics

|                  |                                                      |
|------------------|------------------------------------------------------|
| Conductors       |                                                      |
| # of Pairs:      | 4                                                    |
| AWG:             | 24                                                   |
| AWG Stranding:   | 7 Cond./0.20 mm ± .02 mm                             |
| Material:        | Stranded Bare Copper                                 |
| # of Conductors: | 8                                                    |
| Drain Wire :     | None                                                 |
| Wiring Scheme:   | 568A/B                                               |
| Plug:            | RJ45 Polycarbonate                                   |
| Molded Boot:     | Rubber with Snagless Tab                             |
| Contacts:        | Phosphur Bronze with<br>3u" gold over Nickel Plating |

## Pair Color Code Chart

|        |                             |
|--------|-----------------------------|
| Pair 1 | Orange* Orange/White Stripe |
| Pair 2 | Green* Green/White Stripe   |
| Pair 3 | Blue* Blue/White Stripe     |
| Pair 4 | Brown* Brown/White Stripe   |

## Insulation

|                   |                           |
|-------------------|---------------------------|
| Material:         | High-Density Polyethylene |
| Nominal Diameter: | 1.02 mm ± 0.02 mm         |
| Divider:          | High-Density Polyethylene |

## Outer Shield

|           |            |
|-----------|------------|
| Material: | Unshielded |
|-----------|------------|

## Outer Jacket

|                   |                          |
|-------------------|--------------------------|
| Material:         | PVC (Polyvinyl Chloride) |
| Nominal Diameter: | 6.0 mm ± 0.1 mm          |
| Ripcord:          | Nylon Rope               |

## Electrical Characteristics

|                          |                              |
|--------------------------|------------------------------|
| Dielectric Strength:     | 1500V RMS @60Hz for 1 minute |
| WCurrent Rating:         | 1.5 Amps                     |
| Insulation Resistance:   | 500M Ohm Minimum             |
| Max. Contact Resistance: | 20m Ohm                      |

## Mechanical Characteristics

|                                   |                  |
|-----------------------------------|------------------|
| Termination:                      | RJ45 (8p8c)      |
| Connection:                       | Mated Connection |
| Durabilities:                     | 1000 cycles      |
| Storage Temperature Range:        | -20°C To +60°C   |
| Installation Temperature Range:   | -10°C To +60°C   |
| Operating Temperature Range:      | -20°C To +60°C   |
| Max. Recommended Pulling Tension: | 40 lbs           |
| Min. Bend Radius (Overall Cable): | 1.5 in           |

## Specifications and Agency Compliance

### Applicable Standards & Environmental Programs

|                         |     |
|-------------------------|-----|
| NEC/(UL) Specification: | CMR |
| ETL Specification:      | CMR |
| 3P Certified:           | Yes |

### Other Standards

|                                 |                              |
|---------------------------------|------------------------------|
| EU Directive 2002/95/EC (RoHS): | Yes                          |
| Telecommunications Standards:   | Category 6 - ANSI/TIA 568C.2 |

### Flame Test

|                   |                       |
|-------------------|-----------------------|
| UL Flame Test:    | UL1666 Vertical Riser |
| C(UL) Flame Test: | FT4                   |
| CSA Flame Test:   | FT4                   |

### Suitability

|                      |     |
|----------------------|-----|
| Indoor Use:          | Yes |
| Outdoor Use:         | No  |
| Aerial:              | No  |
| Burial:              | No  |
| Sunlight Resistance: | No  |
| Oil Resistance:      | No  |
| Non-halogenated:     | No  |
| Plenum (Y/N):        | No  |

## Performance

| Frequency (MHZ) | TIA<br>MAX Insertion<br>Loss*(dB) | Quest<br>MAX Insertion<br>Loss*(dB) | TIA<br>MIN Return<br>Loss*(dB) | Quest<br>MIN Return<br>Loss*(dB) | TIA<br>Min Psnext<br>*(dB) | Quest<br>Min Psnext<br>*(dB) | TIA<br>Min Psacr<br>*(dB) | Quest<br>Min Psacr<br>*(dB) |
|-----------------|-----------------------------------|-------------------------------------|--------------------------------|----------------------------------|----------------------------|------------------------------|---------------------------|-----------------------------|
| 1               | 2.4                               | 2.3                                 | 20                             | 20                               | 72.3                       | 73.4                         | 64.8                      | 66.3                        |
| 4               | 4.5                               | 4.1                                 | 23                             | 23                               | 63.3                       | 64.2                         | 52.8                      | 55.2                        |
| 8               | 6.4                               | 5.9                                 | 24.5                           | 24.5                             | 58.8                       | 59.3                         | 46.7                      | 47.8                        |
| 10              | 7.1                               | 6.8                                 | 25                             | 25                               | 57.3                       | 58.5                         | 44.8                      | 46.3                        |
| 16              | 9.1                               | 8.9                                 | 25                             | 25                               | 54.2                       | 55.6                         | 40.7                      | 42.9                        |
| 20              | 10.2                              | 9.9                                 | 25                             | 25                               | 52.8                       | 53.4                         | 38.8                      | 40.2                        |
| 25              | 11.4                              | 10.9                                | 24.2                           | 24.4                             | 51.3                       | 52.5                         | 36.8                      | 38.6                        |
| 31              | 12.8                              | 11.1                                | 23.3                           | 23.4                             | 49.9                       | 51.1                         | 34.9                      | 36.7                        |
| 62              | 18.5                              | 17.5                                | 20.7                           | 20.9                             | 45.4                       | 46.8                         | 28.9                      | 30.4                        |
| 100             | 23.8                              | 22.5                                | 19                             | 19.6                             | 42.3                       | 43.4                         | 24.8                      | 26.8                        |
| 200             | 34.8                              | 32.3                                | 16.4                           | 17.5                             | 37.8                       | 38.5                         | 18.8                      | 20.5                        |
| 250             | 39.4                              | 37.5                                | 15.6                           | 16.8                             | 36.3                       | 37.2                         | 16.8                      | 18.5                        |

## CAT6 UTP Patch Panels

- Patch panels are designed for rack mounting
- Available in 16, 24 and 48 port 19" Rack Mount models
- 12 port wall mount panel includes 89D wall mount bracket
- 110 IDC termination to RJ45 UTP jacks wired to ANSI/TIA 568A/B standards
- Available in 24 and 48 port High Density 19" Rack Mounts



12 Ports, Cat6 RJ45 UTP Wall Mount Patch Panel  
with 89D wall mount bracket included



16 Ports, Cat6 19" RJ45 UTP 1U Patch Panel



24 Ports, Cat6 19" RJ45 UTP 1U Patch Panel



48 Ports, Cat6 19" RJ45 UTP 2U Patch Panel



24 Ports, Cat6 High Density 19" RJ45 UTP 1/2U Patch Panel



48 Ports, Cat6 High Density 19" RJ45 UTP 1U Patch Panel

For Cat6 UTP Networking Cable  
See page 45-46

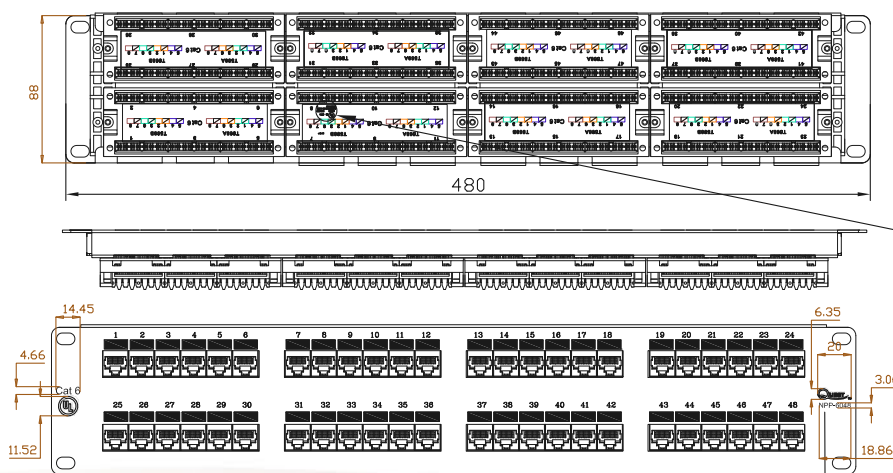


| Item #   | Color | Description                                                                         |
|----------|-------|-------------------------------------------------------------------------------------|
| NPP-6012 | BLACK | 12 PORTS, CAT6 RJ45 UTP WALL MOUNT PATCH PANEL, ANSI/TIA 568A/B, UL, W/ 89D BRACKET |
| NPP-6016 | BLACK | 16 PORTS, CAT6 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL                    |
| NPP-6024 | BLACK | 24 PORTS, CAT6 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL                    |
| NPP-6048 | BLACK | 48 PORTS, CAT6 19" RJ45 UTP PATCH PANEL, 2U, ANSI/TIA 568A/B, UL                    |
| NPP-6124 | BLACK | 24 PORTS, CAT6 HIGH DENSITY 19" RJ45 UTP PATCH PANEL, 1/2U, ANSI/TIA 568A/B, UL     |
| NPP-6148 | BLACK | 48 PORTS, CAT6 HIGH DENSITY 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL       |



## Physical Specifications

|                         |                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Termination:            | 110 IDC, RJ45                                                                                                                                     |
| Jack Housing:           | Poly Butylene Terephthalare resin high-impact UL94V-2                                                                                             |
| Spring wire:            | Phosphor Bronze C5210R-H, t=0.3 mm<br>50u" Gold over 70u" Nickel undercoat on contact area<br>180u" Tin over 70u" Nickel undercoat on solder area |
| IDC Housing:            | Polycarbonate resin high-impact UL94V-2                                                                                                           |
| IDC Contact:            | Phosphor Bronze C5191R-H, t=0.4 mm<br>200u" Tin over 60u" Nickel undercoat                                                                        |
| Insertion Life:         | 750 mating cycles with FCC compliant RJ-45 plug                                                                                                   |
| Contact Force:          | 100 grams with FCC compliant RJ-45 plug                                                                                                           |
| Plug Retention Force:   | 11 lbs. min                                                                                                                                       |
| Durability:             | 200 termination cycles                                                                                                                            |
| Contact compatibility:  | Accommodates 22 to 26 AWG solid/24 AWG stranded                                                                                                   |
| Operating Temperatures: | -10°C To 60°C                                                                                                                                     |
| Storage Temperatures:   | -40°C To 68°C                                                                                                                                     |
| Humidity:               | 10%~90%RH                                                                                                                                         |

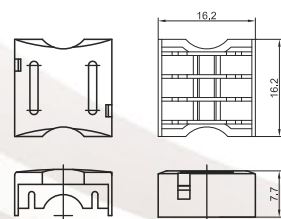
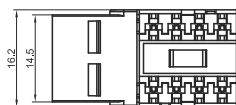
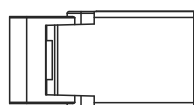
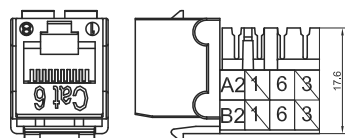
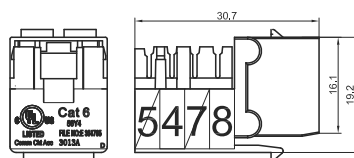


NPP-6048 Spec Dimensions: mm

## CAT6 90 Degree Slim Keystone Jacks

Quest Cat6 Keystone Jacks are designed with 90 degree 110 IDC termination and have a slim-style body to fit in high-density keystone patch panels and wall plates.

- Use in keystone wall plates, patch panels and surface mount boxes
- Slim style design for high density patch panel use
- 110 IDC termination with RJ45 jack



IDC Cap

Spec Dimensions: mm

| Item #   | Color      | Description                                          |
|----------|------------|------------------------------------------------------|
| NKJ-6500 | GRAY       | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6501 | BLACK      | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6502 | BLUE       | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6503 | RED        | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6504 | ORANGE     | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6505 | YELLOW     | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6506 | GREEN      | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6507 | IVORY      | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6508 | WHITE      | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6509 | ALMOND     | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6510 | LT. ALMOND | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6511 | BROWN      | CAT6 SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |

### Physical Specifications

|                         |                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Termination:            | 110 IDC, RJ45                                                                                                                     |
| Jack Housing:           | ABS high-impact UL94V-0 thermoplastic                                                                                             |
| Spring wire:            | Phosphor Bronze C5210 temper wire<br>50u" Gold over 100u" Nickel undercoat<br>180u" Tin over 70u" Nickel undercoat on solder area |
| IDC Housing:            | Polycarbonate resin high-impact UL94V-0 thermoplastic                                                                             |
| IDC Contact:            | Phosphor Bronze C5191R-H, t=0.4 mm,<br>200u" Tin over 50u" Nickel undercoat                                                       |
| Insertion Life:         | 750 mating cycles with FCC compliant RJ-45 plug                                                                                   |
| Contact Force:          | 100 grams with FCC compliant RJ-45 plug                                                                                           |
| Plug Retention Force:   | 11 lbs. min                                                                                                                       |
| Durability:             | 200 termination cycles                                                                                                            |
| Contact compatibility:  | Accommodates 22 to 26 AWG solid / 24 AWG stranded                                                                                 |
| Operating Temperatures: | -10°C To 60°C                                                                                                                     |
| Storage Temperatures:   | -40°C To 68°C                                                                                                                     |
| Humidity:               | 10%~90%RH                                                                                                                         |



## CAT6 Inline Couplers

- Designed for joining of patch cables
- Dual RJ45 wired straight thru for data



| Item #   | Color | Description                  |
|----------|-------|------------------------------|
| NKJ-6001 | WHITE | CAT6 INLINE COUPLER, 8P8C    |
| NKJ-6002 | BLACK | CAT6 INLINE KEYSTONE COUPLER |



## CAT6 Tooless Keystone Jacks

- Use in wall plates, patch panels and surface boxes
- Tooless 110 IDC termination, RJ45 jack
- Self contained IDC clips



| Item #   | Color | Description                      |
|----------|-------|----------------------------------|
| NKJ-6401 | BLACK | CAT6 TOOLESS KEYSTONE JACK, 8P8C |
| NKJ-6402 | BLUE  | CAT6 TOOLESS KEYSTONE JACK, 8P8C |
| NKJ-6403 | RED   | CAT6 TOOLESS KEYSTONE JACK, 8P8C |
| NKJ-6408 | WHITE | CAT6 TOOLESS KEYSTONE JACK, 8P8C |



## CAT6 Punch Down 110 IDC Couplers

- 110 IDC punchdown termination
- Mounting hardware is included



| Item #   | Color | Description         |
|----------|-------|---------------------|
| NCB-6008 | WHITE | CAT6 110IDC COUPLER |



## CAT6 Tooless 110IDC Couplers

- Tooless 110 IDC termination
- Unique leverage caps terminate 2 pairs at a time
- Mounting hardware is included
- Self contained IDC clips



| Item #   | Color | Description                 |
|----------|-------|-----------------------------|
| NCB-6018 | WHITE | CAT6 TOOLESS 110IDC COUPLER |



## CAT6 Loaded SMB

- PCB Surface Mount Boxes eliminate the need for keystone jack inserts
- 110 IDC punchdown termination
- Available in single and dual RJ45 versions



| Item #   | Color | Description                         |
|----------|-------|-------------------------------------|
| NSB-6120 | WHITE | CAT6 SMB, SINGLE RJ45, 8P8C, LOADED |
| NSB-6130 | WHITE | CAT6 SMB, DUAL RJ45, 8P8C, LOADED   |



## CAT6 Tooless Loaded SMB

- PCB Surface Mount Boxes eliminate the need for keystone jack inserts
- The 110 IDC is designed with a tooless termination
- Eliminates need for a punch down tool
- Self contained IDC clips



| Item #   | Color | Description                         |
|----------|-------|-------------------------------------|
| NSB-6420 | WHITE | CAT6 TOOLESS SMB, SINGLE RJ45, 8P8C |

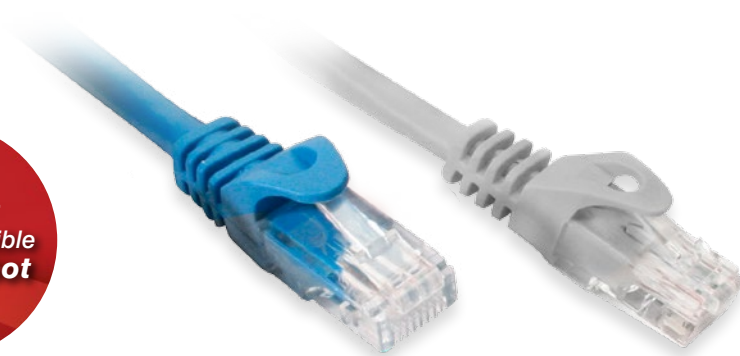
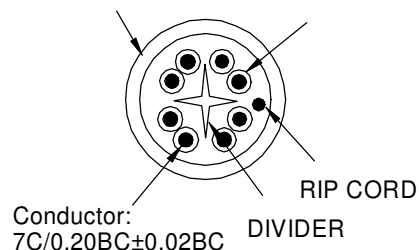
## CAT6A Snagless UTP Patch Cords

Quest offers Cat6A snagless molded patch cords constructed of 550MHz Cat5E stranded UTP cable.

- Built with 550MHz stranded UTP cable
- Exceeds Cat6A ANSI/TIA 568C.2 standards
- Gold plated contacts for better conductivity
- Snagless slim molded strain relief with flexible molded tab protection
- Non-molded custom lengths available upon request

JACKET:PVC  
OD6.0±0.1

Insulation:HDPE  
1.02±0.02



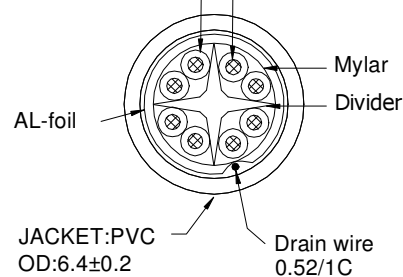
| Color | 3 ft.    | 7 ft.    | 10 ft.   | 15 ft.   | 25 ft.   |
|-------|----------|----------|----------|----------|----------|
| BLUE  | NPC-3203 | NPC-3207 | NPC-3210 | NPC-3215 | ----     |
| GRAY  | NPC-3903 | NPC-3907 | NPC-3910 | NPC-3915 | NPC-3925 |

## CAT6A FTP Shielded Patch Cords

- Shielded 10Gbps high speed data transmissions
- Exceeds Cat6A ANSI/TIA 568C.2 standards
- Molded strain relief with bubble style tab

1.05±0.02

Conductor:  
7C/0.20BC±0.02BC



| Color | 3 ft.    | 7 ft.    | 10 ft.   |
|-------|----------|----------|----------|
| GRAY  | NPC-8903 | NPC-8907 | NPC-8910 |

## Physical Characteristics

|                  |                                                       |
|------------------|-------------------------------------------------------|
| Conductors       |                                                       |
| # of Pairs:      | 4                                                     |
| AWG:             | 24                                                    |
| AWG Stranding:   | 7 Cond./0.20 mm ± .02 mm                              |
| Material:        | Stranded Bare Copper                                  |
| # of Conductors: | 8                                                     |
| Wiring Scheme:   | 568A/B                                                |
| Plug:            | RJ45 Polycarbonate                                    |
| Molded Boot:     | Rubber with Snagless Tab                              |
| Contacts:        | Phosphor Bronze with<br>50u" gold over Nickel Plating |

## Pair Color Code Chart

|        |                             |
|--------|-----------------------------|
| Pair 1 | Orange* Orange/White Stripe |
| Pair 2 | Green* Green/White Stripe   |
| Pair 3 | Blue* Blue/White Stripe     |
| Pair 4 | Brown* Brown/White Stripe   |

## Insulation

|                   |                           |
|-------------------|---------------------------|
| Material:         | High-Density Polyethylene |
| Nominal Diameter: | 1.02 mm ± 0.02 mm         |
| Divider:          | High-Density Polyethylene |

## Outer Shield

|           |            |
|-----------|------------|
| Material: | Unshielded |
|-----------|------------|

## Outer Jacket

|                   |                          |
|-------------------|--------------------------|
| Material:         | PVC (Polyvinyl Chloride) |
| Nominal Diameter: | 6.0 mm ± 0.1 mm          |
| Ripcord:          | Nylon Rope               |

## Electrical Characteristics

|                          |                               |
|--------------------------|-------------------------------|
| Dielectric Strength:     | 1500V RMS @ 60Hz for 1 minute |
| Current Rating:          | 1.5 Amps                      |
| Insulation Resistance:   | 500M Ohm Minimum              |
| Max. Contact Resistance: | 20m Ohm                       |

## Mechanical Characteristics

|                                   |                  |
|-----------------------------------|------------------|
| Termination:                      | RJ45 (8p8c)      |
| Connection:                       | Mated Connection |
| Durabilities:                     | 1000 cycles      |
| Storage Temperature Range:        | -20°C To +60°C   |
| Installation Temperature Range:   | -10°C To +60°C   |
| Operating Temperature Range:      | -20°C To +60°C   |
| Max. Recommended Pulling Tension: | 45 lbs           |
| Min. Bend Radius (Overall Cable): | 1.5 in           |

## Specifications and Agency Compliance

### Applicable Standards & Environmental Programs

|                         |     |
|-------------------------|-----|
| NEC/(UL) Specification: | No  |
| ETL Specification:      | CMR |
| 3P Certified:           | Yes |

### Other Standards

|                                 |                               |
|---------------------------------|-------------------------------|
| EU Directive 2002/95/EC (RoHS): | Yes                           |
| Telecommunications Standards:   | Category 6A - ANSI/TIA 568C.2 |

### Flame Test

|                   |                       |
|-------------------|-----------------------|
| UL Flame Test:    | UL1666 Vertical Riser |
| C(UL) Flame Test: | FT4                   |
| CSA Flame Test:   | FT4                   |

### Suitability

|                      |     |
|----------------------|-----|
| Indoor Use:          | Yes |
| Outdoor Use:         | No  |
| Aerial:              | No  |
| Burial:              | No  |
| Sunlight Resistance: | No  |
| Oil Resistance:      | No  |
| Non-halogenated:     | No  |
| Plenum (Y/N):        | No  |

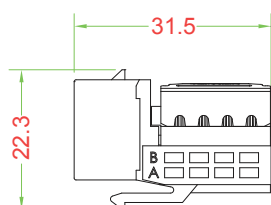
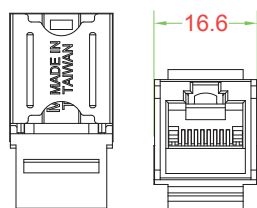
## Performance

| Frequency (MHz) | TIA<br>MAX Insertion<br>Loss TIA*(dB) | Quest<br>MAX Insertion<br>Loss*(dB) | TIA<br>MIN Return<br>Loss*(dB) | Quest<br>MIN Return<br>Loss*(dB) | TIA<br>Min Psnext<br>*(dB) | Quest<br>Min Psnext<br>*(dB) | TIA<br>Min Psacr<br>*(dB) | Quest<br>Min Psacr<br>*(dB) | TIA<br>Min PSANEXT<br>*(dB) | Quest<br>Min PSANEXT<br>*(dB) | TIA<br>Min PSAACR-F<br>*(dB) | Quest<br>Min PSAACR-F<br>*(dB) |
|-----------------|---------------------------------------|-------------------------------------|--------------------------------|----------------------------------|----------------------------|------------------------------|---------------------------|-----------------------------|-----------------------------|-------------------------------|------------------------------|--------------------------------|
| 1               | 2.5                                   | 2.45                                | 20                             | 20                               | 72.3                       | 72.3                         | 64.8                      | 64.8                        | 67                          | 67                            | 67                           | 67                             |
| 4               | 4.6                                   | 4.52                                | 23                             | 23                               | 63.3                       | 63.3                         | 52.8                      | 52.8                        | 67                          | 67                            | 66.2                         | 67                             |
| 8               | 6.4                                   | 6.33                                | 24.5                           | 24.5                             | 58.8                       | 58.8                         | 46.7                      | 46.7                        | 67                          | 67                            | 60.1                         | 67                             |
| 10              | 7.1                                   | 7.1                                 | 25                             | 25                               | 57.3                       | 57.3                         | 44.8                      | 44.8                        | 67                          | 67                            | 58.2                         | 67                             |
| 16              | 9                                     | 8.9                                 | 25                             | 25                               | 54.2                       | 54.2                         | 40.7                      | 40.7                        | 67                          | 67                            | 54.1                         | 64                             |
| 20              | 10.1                                  | 10                                  | 25                             | 25                               | 52.8                       | 52.8                         | 38.8                      | 38.8                        | 67                          | 67                            | 52.2                         | 63                             |
| 25              | 11.3                                  | 11.2                                | 24.2                           | 25                               | 51.3                       | 51.3                         | 36.8                      | 36.8                        | 67                          | 67                            | 50.2                         | 60                             |
| 31.25           | 12.6                                  | 12.5                                | 23.3                           | 25                               | 49.9                       | 49.9                         | 34.9                      | 34.9                        | 67                          | 67                            | 48.3                         | 58                             |
| 62.5            | 18                                    | 18                                  | 20.7                           | 21                               | 45.4                       | 45.4                         | 28.9                      | 28.9                        | 65.6                        | 67                            | 42.3                         | 58                             |
| 100             | 22.9                                  | 22.9                                | 19                             | 20                               | 42.3                       | 42.3                         | 24.8                      | 24.8                        | 62.5                        | 65                            | 38.2                         | 55                             |
| 200             | 33.1                                  | 33.1                                | 16.4                           | 19                               | 37.8                       | 37.8                         | 18.8                      | 18.8                        | 58                          | 65                            | 32.2                         | 48                             |
| 250             | 37.3                                  | 37.3                                | 15.6                           | 19                               | 36.3                       | 36.3                         | 16.8                      | 16.8                        | 56.5                        | 60                            | 30.2                         | 47                             |
| 300             | 41.2                                  | 41.1                                | 14.9                           | 18                               | 35.1                       | 35.1                         | 15.3                      | 15.3                        | 55.3                        | 60                            | 28.7                         | 42                             |
| 400             | 48.1                                  | 48                                  | 13.8                           | 18                               | 33.3                       | 33.3                         | 12.8                      | 12.8                        | 53.5                        | 58                            | 26.2                         | 35                             |
| 500             | 54.4                                  | 54.4                                | 13                             | 17                               | 31.8                       | 31.8                         | 10.8                      | 10.8                        | 52                          | 58                            | 24.2                         | 30                             |

# CAT6A UTP Keystone Jacks

Quest offers a Cat6A keystone jack UTP solution for high-speed 10Gbps data transfers.

- High-speed 10Gbps data transfers
- Use in keystone wall plates, patch panels and surface mount boxes
- 110 IDC termination with RJ45 jack
- Slim style design for high density patch panel use



Spec Dimensions: mm

| Item #   | Color | Description                                           |
|----------|-------|-------------------------------------------------------|
| NKJ-6201 | BLACK | CAT6A SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6202 | BLUE  | CAT6A SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6203 | RED   | CAT6A SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |
| NKJ-6208 | WHITE | CAT6A SLIM-STYLE RJ45 KEYSTONE JACK, 8P8C, 568A/B, UL |

## Performance

Meets Cat6A ANSI/TIA 568C.2 Standard

## Materials

|                  |                                     |
|------------------|-------------------------------------|
| Body:            | Fireproof ABS UL-94V0               |
| Jack:            | 8P8C 50 micro inches gold plated    |
| PCB:             | FR-4 / UL-94V0                      |
| IDC Cap:         | Fireproof ABS UL-94V0               |
| IDC Body:        | Fireproof ABS UL-94V0               |
| IDC Pin:         | Bronze & Tinned                     |
| IDC Description: | For 22-26 AWG (110 punch-down tool) |

## Electrical Characteristics

|                        |                              |
|------------------------|------------------------------|
| Insulation Resistance: | 500M ohms (min.)             |
| Contact Resistance:    | 20m ohms (max.)              |
| Current Rating:        | 1.5 Amps                     |
| DC Resistance:         | 0.1 ohms (max.)              |
| Withstanding Voltage:  | 1000 VAC RMS @ 60Hz / 1 min. |

## Mechanical Specifications

|                         |                         |
|-------------------------|-------------------------|
| IDC Punch Down Cycle:   | Over 250 Cycles (min.)  |
| Jack Insertion Cycle:   | Over 2000 Cycles (min.) |
| Operating Temperatures: | -40°C ~ +70°C           |

# CAT6A UTP Patch Panels w/ Cable Management

Quest offers a Modular Cat6A UTP keystone patch panel solution for high-speed 10Gbps data transfers.

- High-speed 10Gbps data transfers
- Available in 24 and 48 port models
- 110 IDC termination with RJ45 jack
- Built-in cable management at rear of panel
- Revolvable cable manager
- Assembly required



24 Ports, Modular Cat6A 19" RJ45  
UTP 1U Patch Panel, 8P8C



48 Ports, Modular Cat6A 19" RJ45  
UTP 2U Patch Panel, 8P8C

For Cat6A UTP Networking Cable  
See page 47-48



| Item #   | Color | Description                                                                     |
|----------|-------|---------------------------------------------------------------------------------|
| NPP-3224 | BLACK | 24 PORTS, MODULAR CAT6A 19" RJ45 UTP PATCH PANEL, 8P8C, 1U, ANSI/TIA 568A/B, UL |
| NPP-3248 | BLACK | 48 PORTS, MODULAR CAT6A 19" RJ45 UTP PATCH PANEL, 8P8C, 2U, ANSI/TIA 568A/B, UL |

## Performance

Meets Cat6A ANSI/TIA 568C.2 Standard

## Materials

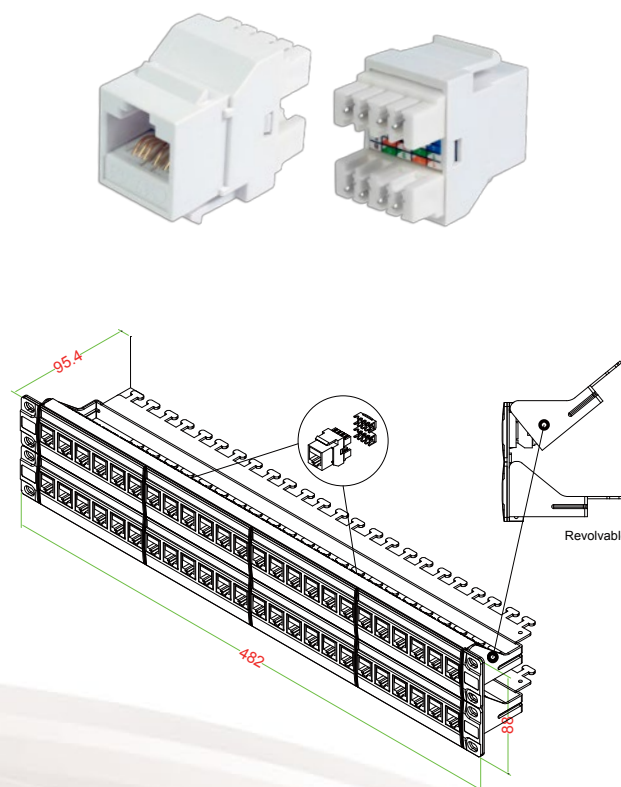
|                   |                                     |
|-------------------|-------------------------------------|
| Front Plate:      | Fireproof ABS UL-94V0               |
| Panel:            | Metal (SPCC)                        |
| Cable Management: | Metal (SPCC)                        |
| Keystone Body:    | Fireproof ABS UL-94V0               |
| Jack:             | 8P8C 50 micro inches gold plated    |
| PCB:              | FR-4 / UL-94V0                      |
| IDC Cap:          | Fireproof ABS UL-94V0               |
| IDC Body:         | Fireproof ABS UL-94V0               |
| IDC Pin:          | Bronze & Tinned                     |
| IDC Description:  | For 22-26 AWG (110 punch-down tool) |

## Electrical Characteristics

|                        |                              |
|------------------------|------------------------------|
| Insulation Resistance: | 500M ohms (min.)             |
| Contact Resistance:    | 20m ohms (max.)              |
| Current Rating:        | 1.5 Amps                     |
| DC Resistance:         | 0.1 ohms (max.)              |
| Withstanding Voltage:  | 1000 VAC RMS @ 60Hz / 1 min. |

## Mechanical Specifications

|                         |                         |
|-------------------------|-------------------------|
| IDC Punch Down Cycle:   | Over 250 Cycles (min.)  |
| Jack Insertion Cycle:   | Over 2000 Cycles (min.) |
| Operating Temperatures: | -40°C ~ +70°C           |

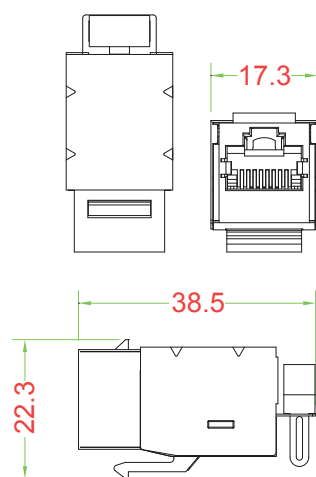
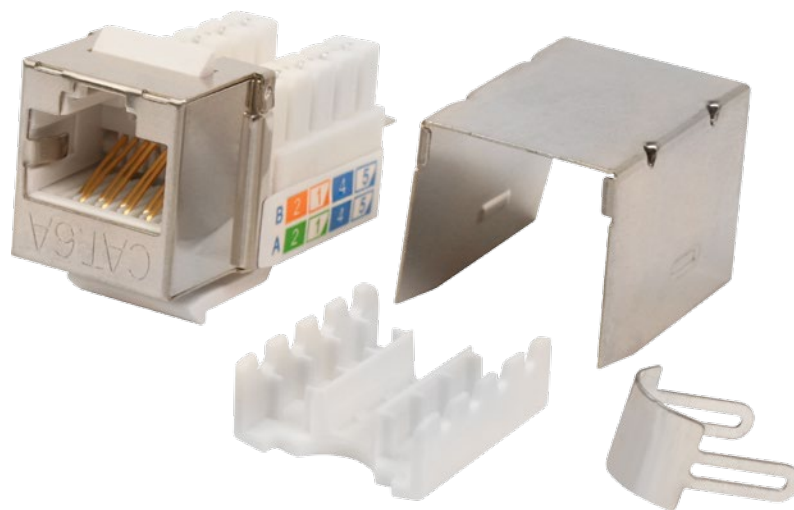


NPP-3148 Spec Dimensions: mm

## CAT6A FTP Shielded Keystone Jacks

Quest offers a Cat6A FTP shielded keystone jack solution for secure high-speed 10Gbps data transfers.

- Shielded high-speed 10Gbps data transfers
- Use in keystone wall plates and patch panels
- 110 IDC termination with RJ45 jack
- Slim style design for high density patch panel use



Spec Dimensions: mm

| Item #   | Color  | Description                                         |
|----------|--------|-----------------------------------------------------|
| NKJ-6969 | SILVER | CAT6A SHIELDED KEYSTONE RJ45 JACK, 8P8C, 568A/B, UL |

### Performance

Meets Cat6A ANSI/TIA 568C.2 Standard

### Materials

|                  |                                     |
|------------------|-------------------------------------|
| Body:            | Fireproof ABS UL-94V0               |
| Metallic Case:   | Metal                               |
| Jack:            | 8P8C 50 micro inches gold plated    |
| PCB:             | FR-4 / UL-94V0                      |
| IDC Cap:         | Fireproof ABS UL-94V0               |
| IDC Body:        | Fireproof ABS UL-94V0               |
| IDC Pin:         | Bronze & Tinned                     |
| IDC Description: | For 22-26 AWG (110 punch-down tool) |

### Electrical Characteristics

|                        |                              |
|------------------------|------------------------------|
| Insulation Resistance: | 500M ohms (min.)             |
| Contact Resistance:    | 20m ohms (max.)              |
| Current Rating:        | 1.5 Amps                     |
| DC Resistance:         | 0.1 ohms (max.)              |
| Withstanding Voltage:  | 1000 VAC RMS @ 60Hz / 1 min. |

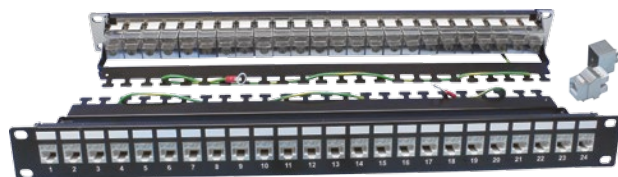
### Mechanical Specifications

|                         |                         |
|-------------------------|-------------------------|
| IDC Punch Down Cycle:   | Over 250 Cycles (min.)  |
| Jack Insertion Cycle:   | Over 2000 Cycles (min.) |
| Operating Temperatures: | -40°C ~ +70°C           |

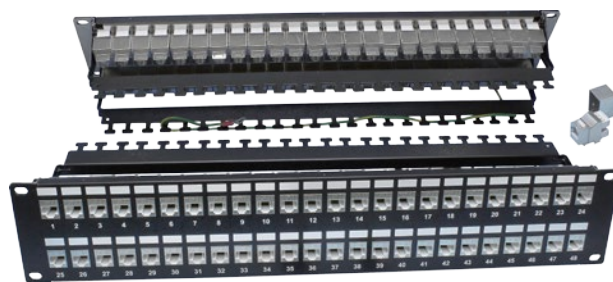
# CAT6A FTP Shielded Patch Panels w/ Cable Management

Quest offers a Modular Cat6A shielded patch panel solution for high-speed 10Gb data transfers.

- Shielded high-speed 10Gbps data transfers
- Available in 24 and 48 port models
- 110 IDC termination with RJ45 jack
- Built-in cable management at rear of panel
- Revolvable cable manager
- Assembly required



24 Ports, Modular Cat6A 19" RJ45  
FTP Shielded 1U Patch Panel, 8P8C



48 Ports, Modular Cat6A 19" RJ45  
FTP Shielded 2U Patch Panel, 8P8C

For Cat6A FTP Networking Cable  
See page 49-50



| Item #   | Color | Description                                                                              |
|----------|-------|------------------------------------------------------------------------------------------|
| NPP-3324 | BLACK | 24 PORTS, MODULAR CAT6A 19" RJ45 FTP SHIELDED PATCH PANEL, 8P8C, 1U, ANSI/TIA 568A/B, UL |
| NPP-3348 | BLACK | 48 PORTS, MODULAR CAT6A 19" RJ45 FTP SHIELDED PATCH PANEL, 8P8C, 2U, ANSI/TIA 568A/B, UL |

## Performance

Meets Cat6A ANSI/TIA 568C.2 Standard

## Materials

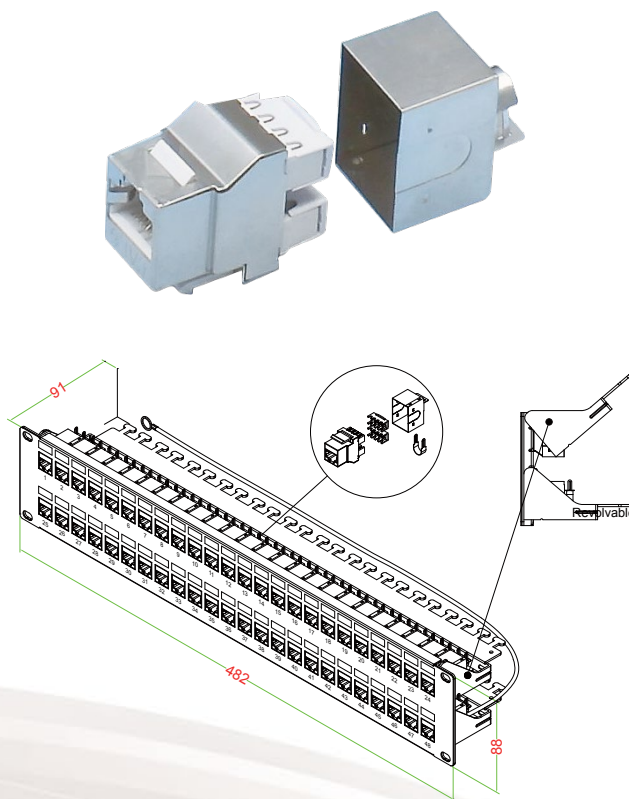
|                   |                                     |
|-------------------|-------------------------------------|
| Panel:            | Metal (SPCC)                        |
| Cable Management: | Metal (SPCC)                        |
| Keystone Body:    | Fireproof ABS UL-94V0               |
| Metallic Case:    | Metal                               |
| Jack:             | 8P8C 50 micro inches gold plated    |
| PCB:              | FR-4 / UL-94V0                      |
| IDC Cap:          | Fireproof ABS UL-94V0               |
| IDC Body:         | Fireproof ABS UL-94V0               |
| IDC Pin:          | Bronze & Tinned                     |
| IDC Description:  | For 22-26 AWG (110 punch-down tool) |

## Electrical Characteristics

|                        |                              |
|------------------------|------------------------------|
| Insulation Resistance: | 500M ohms (min.)             |
| Contact Resistance:    | 20m ohms (max.)              |
| Current Rating:        | 1.5 Amps                     |
| DC Resistance:         | 0.1 ohms (max.)              |
| Withstanding Voltage:  | 1000 VAC RMS @ 60Hz / 1 min. |

## Mechanical Specifications

|                         |                         |
|-------------------------|-------------------------|
| IDC Punch Down Cycle:   | Over 250 Cycles (min.)  |
| Jack Insertion Cycle:   | Over 2000 Cycles (min.) |
| Operating Temperatures: | -40°C ~ +70°C           |



NPP-3048 Spec Dimensions: mm

LocJack's locking feature is built into each individual jack which provides a secure fastening of the patch cord and protects from accidentally or intentionally being removed or inserted by unauthorized personnel. Each locking jack is designated by a highly visible orange or white insert located at the locking bar, as well as a lock icon molded onto the front of the jack.



Fig. 1

\*Built-in Port Blocker

\*Locks in patch cords

## LOCJACK High-Density Keystone Jacks

- Prevents unauthorized insert or removal of patch cables
- Available in RJ45 Cat6, RJ45 Cat5E, and RJ12 Cat3
- Requires proprietary security key

| Color  | Figure | Cat6 (568A/B) | Cat5E (568A/B) | Cat3 (USOC/RJ12) |
|--------|--------|---------------|----------------|------------------|
| BLACK  | FIG. 1 | NLJ-6501      | NLJ-5501       |                  |
| BLUE   | FIG. 1 | NLJ-6502      | NLJ-5502       |                  |
| RED    | FIG. 1 | NLJ-6503      | NLJ-5503       |                  |
| ORANGE | FIG. 1 | NLJ-6504      | NLJ-5504       |                  |
| YELLOW | FIG. 1 | NLJ-6505      | NLJ-5505       |                  |
| GREEN  | FIG. 1 | NLJ-6506      | NLJ-5506       |                  |
| IVORY  | FIG. 1 | NLJ-6507      | NLJ-5507       |                  |
| WHITE  | FIG. 1 | NLJ-6508      | NLJ-5508       | NLJ-4508         |

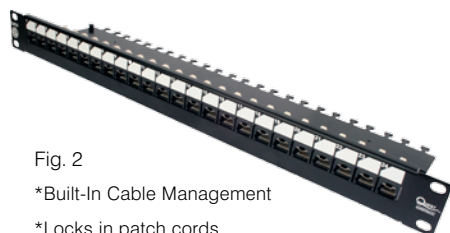


Fig. 2

\*Built-In Cable Management

\*Locks in patch cords

## LOCJACK High-Density Patch Panels

- Built-In Cable Management
- RJ45 with 110 IDC PCB Termination
- ANSI/TIA 568A/B Wiring
- High-Density, 24 ports in 1U space
- Requires proprietary security key

| Item #   | Figure | Description                           |
|----------|--------|---------------------------------------|
| NLP-6024 | FIG. 2 | 24 PORTS, CAT6 LOCJACK HD PATCH PANEL |



Fig. 3

\*Locks in patch cords

## LOCJACK Loaded Surface Mount Boxes

- Compact PVC housing
- RJ45/110 IDC PCB punch termination
- ANSI/TIA 568A/B Wiring
- Requires proprietary security key

| Item #   | Figure | Description                                   |
|----------|--------|-----------------------------------------------|
| NLB-6120 | FIG. 3 | 1 PORT, CAT6 LOCJACK SURFACE MOUNT BOX, 8P8C  |
| NLB-6130 | FIG. 4 | 2 PORTS, CAT6 LOCJACK SURFACE MOUNT BOX, 8P8C |

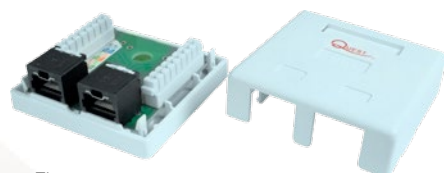


Fig. 4

\*Locks in patch cords

## LOCJACK RJ45 Couplers

- Compact PVC Housing
- Wired Straight Pin-to-Pin
- ANSI/TIA 568A/B Wiring
- Requires proprietary security key

| Item #   | Figure | Description                                 |
|----------|--------|---------------------------------------------|
| NLJ-6008 | FIG. 5 | CAT6 LOCJACK INLINE UNSHIELDED RJ45 COUPLER |



Fig. 5

\*Locks in patch cords

## LOCJACK *RJ45 Splitters*

- Splits one port into two
- Both output wired pins 1-2-3-6
- ANSI/TIA 568A/B Wiring
- Requires proprietary security key

| Item #   | Figure | Description                                           |
|----------|--------|-------------------------------------------------------|
| NLS-5120 | FIG. 1 | CAT5E LOCJACK 1X2 UNSHIELDED RJ45 SPLITTER (F-F-F)    |
| NLS-6120 | FIG. 1 | CAT6 LOCJACK 1X2 UNSHIELDED RJ45 SPLITTER (F-F-F)     |
| NLS-6126 | FIG. 2 | CAT6 LOCJACK 1X2 UTP RJ45 SPLITTER W/ 6" CORD (M-F-F) |

## LOCJACK *PCB Mount Jacks*

- Designed for OEM applications
- Requires proprietary security key

| Item #   | Figure | Description               |
|----------|--------|---------------------------|
| NLO-6108 | FIG. 3 | UNSHIELDED PCB MOUNT JACK |
| NLO-6126 | FIG. 4 | SHIELDED PCB MOUNT JACK   |

## LOCJACK *Security Keys*

- Required for all LocJack products

| Item #   | Figure | Description               |
|----------|--------|---------------------------|
| NLJ-0012 | FIG. 5 | LOCJACK RJ12 SECURITY KEY |
| NLJ-0045 | FIG. 5 | LOCJACK RJ45 SECURITY KEY |

## LOCJACK *Multi-Punch Crimp Tools*

- Multi-punch tool terminates all 8 conductors on one jack with one single crimp

| Item #   | Figure | Description                              |
|----------|--------|------------------------------------------|
| TEL-6061 | FIG. 6 | LOCJACK MULTI-PUNCH KEYSTONE CRIMP TOOLS |

### LocJack Physical Characteristics

|                         |                                  |
|-------------------------|----------------------------------|
| Pin Contacts:           | 8P8C 50 micro inches gold plated |
| Body:                   | Flame Retardant ABS UL-94V0      |
| PCB:                    | FR-4 / UL-94V0                   |
| IDC Body:               | Flame Retardant ABS UL-94V0      |
| IDC Pin:                | Bronze & Tinned                  |
| IDC Punch Down Cycle:   | Over 250 Cycles (min.)           |
| IDC Cap:                | Flame Retardant ABS UL-94V0      |
| Lock Bar:               | Metal SPCC                       |
| Key:                    | SPCC with PVC Molded Grip        |
| Operating Temperatures: | -40°C To 70°C                    |

### LocJack Electrical & Mechanical Specifications

|                        |                                |
|------------------------|--------------------------------|
| Termination:           | 110IDC, RJ45 or RJ12           |
| Insulation Resistance: | 500M ohms (min.)               |
| Contact Resistance:    | 20m ohms (max.)                |
| Current Rating:        | 1.5 amps                       |
| DC Resistance:         | 0.1ohms (max.)                 |
| Withstanding Voltage:  | 1000 VAC RMS @ 60Hz /1 min.IDC |
| Punch Down:            | Over 250 Cycles (min.)         |
| IDC Wire Tension :     | 1.5-2 kgs                      |
| Jack Insertion Cycle:  | 30K Cycles (min.)              |
| Lock Bar Tension :     | 15 kgs (min.)                  |



Fig. 1

\*Locks in patch cords



Fig. 2

\*Locks in patch cords



Fig. 3

\*Locks in patch cords



Fig. 4

\*Locks in patch cords



Fig. 5



\*Designed for LocJack housings

Fig. 6

## Splicing Connectors

- Ideal for easy joining of multiple datacom or telco wires
- B-Connectors are available with and without gel sealant



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

| Item #   | Figure | Color  | Description                            |
|----------|--------|--------|----------------------------------------|
| TBN-1001 | FIG. 1 | WHITE  | 100 PK, BEANNIE CONNECTORS             |
| TBN-1011 | FIG. 2 | BLUE   | 100 PK, BEANNIE CONNECTORS, GEL FILLED |
| TBN-1002 | FIG. 3 | RED    | 100 PK, UR CONNECTORS                  |
| TBN-1003 | FIG. 4 | YELLOW | 100 PK, UY CONNECTORS                  |
| TBN-1004 | FIG. 5 | GREEN  | 100 PK, UG CONNECTORS                  |



## RJ45 Strain Relief Boots

- Designed for termination of RJ45 modular plugs
- Molded rubber for better latching clip protection
- Works with both UTP and STP connectors

| Item #   | Color  | Description              |
|----------|--------|--------------------------|
| NMB-1001 | BLACK  | RJ45 STRAIN RELIEF BOOTS |
| NMB-1002 | BLUE   | RJ45 STRAIN RELIEF BOOTS |
| NMB-1003 | RED    | RJ45 STRAIN RELIEF BOOTS |
| NMB-1005 | YELLOW | RJ45 STRAIN RELIEF BOOTS |
| NMB-1006 | GREEN  | RJ45 STRAIN RELIEF BOOTS |
| NMB-1008 | WHITE  | RJ45 STRAIN RELIEF BOOTS |
| NMB-1009 | GRAY   | RJ45 STRAIN RELIEF BOOTS |
| NMB-1010 | ORANGE | RJ45 STRAIN RELIEF BOOTS |



Install: Snap clip in place over broken mod plug, and slide forward until it snaps in next to tab base.

## RJ45 Plug Saver Repair Clips

- Designed to fix RJ45 patch cords
- 25 clips per package quantity
- Saves damaged patch cords

| Item #   | Color  | Description                     |
|----------|--------|---------------------------------|
| NMS-8000 | CLEAR  | 25 RJ45 PLUG SAVER REPAIR CLIPS |
| NMS-8001 | BLACK  | 25 RJ45 PLUG SAVER REPAIR CLIPS |
| NMS-8002 | BLUE   | 25 RJ45 PLUG SAVER REPAIR CLIPS |
| NMS-8003 | RED    | 25 RJ45 PLUG SAVER REPAIR CLIPS |
| NMS-8005 | YELLOW | 25 RJ45 PLUG SAVER REPAIR CLIPS |
| NMS-8006 | GREEN  | 25 RJ45 PLUG SAVER REPAIR CLIPS |



## Silver Satin Modular Cables

- RJ-11 6p4c Connector
- Crosswired for telephone use

| Color  | 7 ft.    | 15 ft.   | 25 ft.   |
|--------|----------|----------|----------|
| SILVER | NCO-4107 | NCO-4115 | NCO-4125 |



## Coiled Handset Cords

- Long-lasting coil memory
- Stranded cable for more flexibility

| Color | 15 ft.   | 25 ft.   |
|-------|----------|----------|
| BLACK | NCO-2015 | NCO-2025 |
| WHITE | NCO-2415 | NCO-2425 |

# Modular Plugs

- Quest modular plugs are constructed with 15u or 50u gold contacts
- Available in Cat3, Cat5E, Cat6 and Cat6A versions
- Available in 4p4c, 4p6c, 6p6c, 8p8c and 10p10c versions solid or stranded
- Constructed of UL94V PVC



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



| Item #   | Figure | Recommended Crimp Tool |             |             |             |               |      |       |      |       |                     |                   |                 |                    |          |             |              |                   |        |          |
|----------|--------|------------------------|-------------|-------------|-------------|---------------|------|-------|------|-------|---------------------|-------------------|-----------------|--------------------|----------|-------------|--------------|-------------------|--------|----------|
|          |        | RJ9 (4p4c)             | RJ11 (6p4c) | RJ12 (6p6c) | RJ45 (8p8c) | RJ50 (10p10c) | CAT3 | CAT5E | CAT6 | CAT6A | Slagger Wire Guides | Wire Guide Guides | Solid Conductor | Stranded Conductor | Shielded | Flat Jacket | Round Jacket | Gold Plating (u") | Blades |          |
| NMP-9000 | Fig. 1 | X                      |             |             |             |               | X    |       |      |       | X                   |                   |                 |                    | X        |             | X            | 2                 | 15     | TEL-6020 |
| NMP-4111 | Fig. 2 |                        | X           |             |             |               | X    |       |      |       | X                   |                   |                 |                    | X        |             | X            | 2                 | 15     | TEL-6001 |
| NMP-4221 | Fig. 2 |                        | X           |             |             |               | X    |       |      |       | X                   |                   |                 | X                  |          |             | X            | 2                 | 15     | TEL-6001 |
| NMP-4225 | Fig. 2 |                        | X           |             |             |               | X    |       |      |       | X                   |                   |                 | X                  | X        |             | X            | 3                 | 50     | TEL-6001 |
| NMP-6111 | Fig. 3 |                        |             |             | X           |               | X    |       |      |       | X                   |                   |                 |                    | X        |             | X            | 2                 | 15     | TEL-6001 |
| NMP-6221 | Fig. 3 |                        |             |             | X           |               | X    |       |      |       | X                   |                   |                 | X                  |          |             | X            | 2                 | 15     | TEL-6001 |
| NMP-6225 | Fig. 3 |                        |             |             | X           |               | X    |       |      |       | X                   |                   |                 | X                  |          |             | X            | 2                 | 50     | TEL-6001 |
| NMP-8111 | Fig. 4 |                        |             |             |             | X             |      | X     |      |       | X                   |                   |                 |                    | X        |             | X            | 2                 | 15     | TEL-6001 |
| NMP-8215 | Fig. 4 |                        |             |             |             | X             |      | X     |      |       | X                   |                   |                 |                    | X        |             | X            | 2                 | 50     | TEL-6001 |
| NMP-8225 | Fig. 4 |                        |             |             |             | X             |      | X     |      |       | X                   |                   |                 |                    | X        |             | X            | 2                 | 50     | TEL-6001 |
| NMP-8325 | Fig. 4 |                        |             |             |             | X             |      | X     |      |       | X                   |                   |                 |                    | X        | X           | X            | 3                 | 50     | TEL-6001 |
| NMP-8425 | Fig. 5 |                        |             |             |             | X             |      | X     |      |       | X                   |                   |                 |                    | X        |             | X            | 2                 | 50     | TEL-6001 |
| NMP-8510 | Fig. 6 |                        |             |             |             |               | X    | X     |      |       | X                   |                   |                 |                    | X        |             | X            | 2                 | 15     | TEL-6020 |
| NMP-8625 | Fig. 7 |                        |             |             |             | X             |      | X     |      |       |                     |                   | X               |                    | X        |             | X            | 2                 | 50     | TEL-6001 |
| NMP-8725 | Fig. 7 |                        |             |             |             | X             |      |       | X    |       |                     | X                 | X               | X                  | X        |             | X            | 3                 | 50     | TEL-6001 |
| NMP-8825 | Fig. 8 |                        |             |             |             | X             |      |       | X    |       |                     | X                 | X               | X                  | X        | X           | X            | 3                 | 50     | TEL-6001 |
| NMP-8925 | Fig. 9 |                        |             |             |             | X             |      |       |      | X     |                     | X                 | X               | X                  | X        |             | X            | 3                 | 50     | TEL-6001 |

## Physical Characteristics

|                 |                                  |
|-----------------|----------------------------------|
| Housing:        | Polycarbonate, UL94V-2           |
| Color:          | Transparent                      |
| Contact Blade : | Phosphor Bronze                  |
| Conductor :     | Stranded & solid wire, 24-26 AWG |
| Gold Plating:   | 15u" or 50u"                     |



Dual Blade (2)



Tri-Blade (3)

## Electrical & Mechanical Specifications

|                                 |                               |
|---------------------------------|-------------------------------|
| UL Applications:                | 250 Volts AC (max.) at 2 Amps |
| Dielectric Strength:            | 500 Volts AC                  |
| Insulation Resistance:          | 100 MΩ.                       |
| Termination:                    | Resistance 20mΩ (max.)        |
| Cable-to-Plug Tensile Strength: | 19.6N/PCS min.                |
| Durability:                     | 200 insertion cycles          |

## 110 Cross-Connect Wiring Blocks

Quest offers 110 style wiring blocks for telephone installations and wiring cross-connects.

- Used for high-speed voice and data transfers
- Wiring blocks include mounting legs
- Designed for crossconnecting of building wiring
- Accepts 22AWG to 26AWG wire
- Includes labeling index strips
- Available in wall and rack mount versions



Fig. 1



Fig. 2

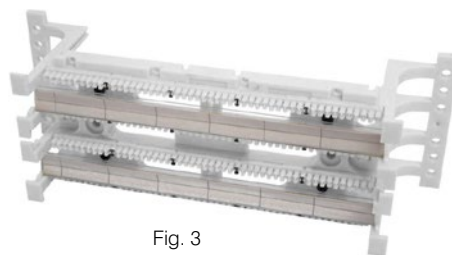


Fig. 3



Fig. 4



| Item #   | Figure | Description                                  |
|----------|--------|----------------------------------------------|
| NCB-1005 | FIG. 1 | 5 PAIRS, 110 CONNECTING BLOCK                |
| NCB-1050 | FIG. 2 | 50 PAIRS, 110 WIRING BLOCK WITH LEGS         |
| NCB-1100 | FIG. 3 | 100 PAIRS, 110 WIRING BLOCK WITH LEGS        |
| NCP-100  | FIG. 4 | 100 PAIRS, 110 BLOCK 19 IN. RACK MOUNT PANEL |

## 66 Cross-Connect Wiring Blocks

Quest offers 66 style wiring blocks for telephone installations and wiring cross-connects.

- Used for high-speed voice and data transfers
- Designed for crossconnecting of building wiring
- Accepts 22AWG to 26AWG wire
- Easy to terminate 66 blocks

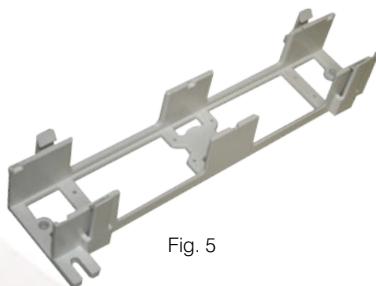


Fig. 5



Fig. 6

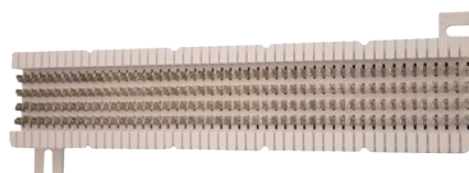


Fig. 7



| Item #   | Figure | Description                                    |
|----------|--------|------------------------------------------------|
| NCB-6000 | FIG. 5 | 89D BRACKET FOR 66 BLOCK OR 12 PORT MINI PANEL |
| NCB-6010 | FIG. 6 | 66 BLOCK BRIDGING CLIPS                        |
| NCB-6650 | FIG. 7 | 50 PAIRS, 66 BLOCK W/O MOUNTING LEGS           |

## Telephone Surface Mount Boxes

- Designed with 6p4c RJ11 jacks
- Wired to USOC telephone wiring standards
- Low profile design for better appearance



| Item #   | Figure | Color | Description                             |
|----------|--------|-------|-----------------------------------------|
| NTB-1401 | FIG. 1 | IVORY | TELEPHONE SMB, SINGLE RJ11, 6P4C LOADED |
| NTB-1402 | FIG. 1 | WHITE | TELEPHONE SMB, SINGLE RJ11, 6P4C LOADED |
| NTB-1891 | FIG. 1 | IVORY | RJ31X SMB, SINGLE RJ45, 8P8C LOADED     |
| NTB-3402 | FIG. 2 | WHITE | VERTICAL SMB, SINGLE RJ11, 6P4C LOADED  |



Fig. 1



Fig. 2

## Telephone Duplex Adapters

- Designed with 6p4c RJ11 jacks
- Wired to USOC telephone wiring standards



| Item #   | Figure | Color | Description                          |
|----------|--------|-------|--------------------------------------|
| NTC-2421 | FIG. 3 | IVORY | DUPLEX ADAPTER, 6P4C, STRAIGHT-WIRED |
| NTC-2422 | FIG. 3 | WHITE | DUPLEX ADAPTER, 6P4C, STRAIGHT-WIRED |

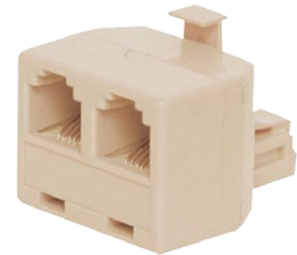


Fig. 3

## Telephone Inline Couplers

- Designed for joining telephones patch cables
- Cross-wired for telephone applications



| Item #   | Figure | Color | Description                     |
|----------|--------|-------|---------------------------------|
| NTC-1421 | FIG. 4 | IVORY | TELEPHONE INLINE COUPLERS, 6P4C |
| NTC-1422 | FIG. 4 | WHITE | TELEPHONE INLINE COUPLERS, 6P4C |



Fig. 4

## Telephone Wall Plates

- Designed with 6p4c RJ11 jacks
- Wired to USOC telephone wiring standards
- Available with RJ11 and TV F-81 connectors
- Smooth flush finish



| Item #   | Figure | Color | Description                               |
|----------|--------|-------|-------------------------------------------|
| NTP-1442 | FIG. 5 | WHITE | DUAL RJ11 WALL PLATE, 6P4C                |
| NTP-2402 | FIG. 5 | WHITE | SINGLE RJ11 WALL PLATE, 6P4C              |
| NTP-1901 | FIG. 6 | IVORY | RJ11 & F-81 COMBO WALL PLATE, 6P4C        |
| NTP-1902 | FIG. 6 | WHITE | RJ11 & F-81 COMBO WALL PLATE, 6P4C        |
| NTP-4402 | FIG. 7 | WHITE | KITCHEN MOUNT SINGLE RJ11 WALLPLATE, 6P4C |



Fig. 5



Fig. 6



Fig. 7



## Fiber Optic Keystone Inserts

- Female to Female
- For multi-mode terminations
- Slim-style keystone insert

| Item #   | Color | Description                    |
|----------|-------|--------------------------------|
| NKJ-3108 | WHITE | ST FIBER OPTIC KEYSTONE INSERT |
| NKJ-3208 |       | SC FIBER OPTIC KEYSTONE INSERT |
| NKJ-3308 |       | LC FIBER OPTIC KEYSTONE INSERT |

\*Other versions available



## Blank Keystone Inserts

- Universal blank keystone fillers

| Item #   | Color      | Description                     |
|----------|------------|---------------------------------|
| NIN-1100 | GRAY       | BLANK KEYSTONE WALLPLATE INSERT |
| NIN-1101 | BLACK      | BLANK KEYSTONE WALLPLATE INSERT |
| NIN-1102 | LT. ALMOND | BLANK KEYSTONE WALLPLATE INSERT |
| NIN-1103 | BROWN      | BLANK KEYSTONE WALLPLATE INSERT |
| NIN-1107 | IVORY      | BLANK KEYSTONE WALLPLATE INSERT |
| NIN-1108 | WHITE      | BLANK KEYSTONE WALLPLATE INSERT |
| NIN-1109 | ALMOND     | BLANK KEYSTONE WALLPLATE INSERT |



## BNC Keystone Inserts

- Female to Female
- BNC 50 Ohm

| Item #   | Color | Description                |
|----------|-------|----------------------------|
| NIN-1308 | WHITE | 50 OHM BNC KEYSTONE INSERT |



## F-81 Keystone Inserts

- Female to Female
- F-81 75 Ohm
- Slim-style keystone insert

| Item #   | Color | Description          |
|----------|-------|----------------------|
| NIN-1208 | WHITE | F-81 KEYSTONE INSERT |



## RCA Keystone Inserts

- Female to Female
- RCA 75 Ohm
- Slim-style keystone insert

| Item #   | Insulator Color | Description                |
|----------|-----------------|----------------------------|
| NIN-1401 | RED             | RCA KEYSTONE INSERT, WHITE |
| NIN-1402 | YELLOW          | RCA KEYSTONE INSERT, WHITE |
| NIN-1403 | WHITE           | RCA KEYSTONE INSERT, WHITE |
| NIN-1404 | BLUE            | RCA KEYSTONE INSERT, WHITE |
| NIN-1405 | GREEN           | RCA KEYSTONE INSERT, WHITE |



## HDMI Keystone Inserts

- HDMI Female to Female
- Slim-style keystone insert

| Item #   | Color | Description                  |
|----------|-------|------------------------------|
| HDI-9510 | WHITE | HDMI KEYSTONE COUPLER INSERT |





Fig. 1



Fig. 2

## Punch Down 110 IDC Couplers

- 110 IDC punchdown termination
- Mounting hardware is included
- Maintains cabling performance



| Item #   | Figure | Description           |
|----------|--------|-----------------------|
| NCB-5008 | FIG. 1 | CAT5E 110 IDC COUPLER |
| NCB-6008 | FIG. 2 | CAT6 110 IDC COUPLER  |



Fig. 1



Fig. 2

## Tooless 110 IDC Couplers

- Tooless 110 IDC termination
- Unique leverage caps terminate 2 pairs at a time
- Mounting hardware is included
- Self contained IDC clips



| Item #   | Figure | Description                   |
|----------|--------|-------------------------------|
| NCB-5018 | FIG. 1 | CAT5E TOOLESS 110 IDC COUPLER |
| NCB-6018 | FIG. 2 | CAT6 TOOLESS 110 IDC COUPLER  |



## CAT6A Keystone Couplers

- Designed for joining of patch cables
- Dual RJ45 wired straight thru for data



| Item #   | Color | Description                   |
|----------|-------|-------------------------------|
| NKJ-6302 | WHITE | CAT6A INLINE KEYSTONE COUPLER |



Fig. 1



Fig. 2



Fig. 3

## CAT6 Inline Couplers

- Designed for joining of Cat6 patch cables
- Dual RJ45 wired straight thru for data



| Item #   | Figure | Description                   |
|----------|--------|-------------------------------|
| NKJ-6002 | FIG. 1 | CAT6 INLINE KEYSTONE COUPLER  |
| NKJ-6008 | FIG. 2 | CAT6 INLINE COUPLER           |
| NKJ-6018 | FIG. 3 | CAT6 90 DEGREE INLINE COUPLER |



Fig. 1



Fig. 2

## CAT5E Inline Couplers

- Designed for joining of Cat5E patch cables
- Dual RJ45 wired straight thru for data



| Item #   | Figure | Description                   |
|----------|--------|-------------------------------|
| NKJ-5001 | FIG. 1 | CAT5E INLINE COUPLER          |
| NKJ-5002 | FIG. 2 | CAT5E INLINE KEYSTONE COUPLER |



## CAT3 Inline Couplers

- Designed for joining patch cables
- Wired straight thru for data



| Item #   | Color | Description               |
|----------|-------|---------------------------|
| NTC-0821 | IVORY | CAT3 INLINE COUPLER, 6P4C |
| NTC-0822 | WHITE | CAT3 INLINE COUPLER, 6P4C |

## Wall Plates w/ Labeling Windows

- Ideal for all standard and slim style keystone jacks
- Designed with clear label windows and icon slots (Except the horizontal wall plates)
- Vertical, horizontal and angled wallplates are available
- ABS Construction
- Mounting Screws Included

### Vertical



Fig. 1

Fig. 2

### Horizontal



Fig. 3

Fig. 4

### Angled



Fig. 5

Fig. 6



| Item #   | Figure | Color | Description                                                             |
|----------|--------|-------|-------------------------------------------------------------------------|
| NFP-2018 | FIG. 1 | WHITE | 1 PORT, KEYSTONE VERTICAL WALL PLATE W/ LABELING WINDOWS AND ICON SLOTS |
| NFP-2028 | FIG. 2 | WHITE | 2 PORT, KEYSTONE VERTICAL WALL PLATE W/ LABELING WINDOWS AND ICON SLOTS |
| NFP-6108 | FIG. 3 | WHITE | 1 PORT, KEYSTONE HORIZONTAL WALL PLATE W/ LABELING WINDOWS              |
| NFP-6208 | FIG. 4 | WHITE | 2 PORT, KEYSTONE HORIZONTAL WALL PLATE W/ LABELING WINDOWS              |
| NFP-3028 | FIG. 5 | WHITE | 2 PORT, KEYSTONE ANGLED WALL PLATE W/ LABELING WINDOWS AND ICON SLOTS   |
| NFP-3048 | FIG. 6 | WHITE | 4 PORT, KEYSTONE ANGLED WALL PLATE W/ LABELING WINDOWS AND ICON SLOTS   |



Fig. 7



Fig. 8

Fig. 9

## Décor Style Wall Plates

- Multimedia versatility
- Contemporary décor styling
- Available in 1 and 2 port versions
- ABS construction
- Mounting screws included



| Item #   | Figure | Color | Description                   |
|----------|--------|-------|-------------------------------|
| NFP-4018 | FIG. 7 | WHITE | SINGLE-GANG, DECOR WALL PLATE |
| NFP-4108 | FIG. 8 | WHITE | 1 PORT, DECOR KEYSTONE INSERT |
| NFP-4208 | FIG. 9 | WHITE | 2 PORT, DECOR KEYSTONE INSERT |

## Low-Volt Drywall Mounting Brackets

- Ideal for use with all A/V, Telecom and Datacom wall plates
- Eliminates the need for electrical boxes
- PVC construction with built-in drywall grips
- Available in single & dual gang

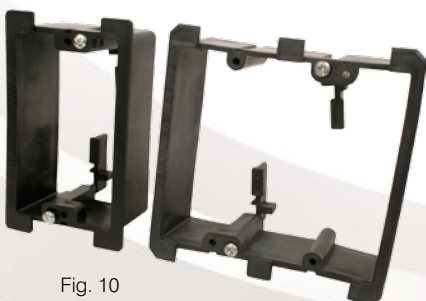


Fig. 10

Fig. 11

| Item #   | Figure  | Color | Description                          |
|----------|---------|-------|--------------------------------------|
| VHT-8499 | FIG. 10 | BLACK | LOW-VOLT SINGLE-GANG DRYWALL BRACKET |
| VHT-8498 | FIG. 11 | BLACK | LOW-VOLT DUAL-GANG DRYWALL BRACKET   |

## Keystone Wall Plates

- Ideal for all standard and slim style keystone jacks
- Multimedia versatility
- Available in blank, 1, 2, 3, 4 and 6 port version
- Available in standard size and MIDI Oversized Wall Plates
- ABS construction
- Mounting screws included
- Available in a variety of color options



### Standard Wall Plates (2.75" W x 4.5" H)



| Color      | Blank    | 1 Port   | 2Port    | 3 Port   | 4 Port   | 6 Port   |
|------------|----------|----------|----------|----------|----------|----------|
| GRAY       | NFP-1000 | NFP-1010 | NFP-1020 | NFP-1030 | NFP-1040 | NFP-1060 |
| BLACK      | NFP-1001 | NFP-1011 | NFP-1021 | NFP-1031 | NFP-1041 | NFP-1061 |
| IVORY      | NFP-1007 | NFP-1017 | NFP-1027 | NFP-1037 | NFP-1047 | NFP-1067 |
| WHITE      | NFP-1008 | NFP-1018 | NFP-1028 | NFP-1038 | NFP-1048 | NFP-1068 |
| ALMOND     | NFP-1009 | NFP-1019 | NFP-1029 | NFP-1039 | NFP-1049 | NFP-1069 |
| LT. ALMOND | NFP-1002 | NFP-1012 | NFP-1022 | NFP-1032 | NFP-1042 | NFP-1062 |
| BROWN      | NFP-1003 | NFP-1013 | NFP-1023 | NFP-1033 | NFP-1043 | NFP-1063 |

### MIDI Oversized Wall Plates (3.1" W x 4.85" H)



| Color      | Blank    | 1 Port   | 2 Port   | 3 Port   | 4 Port   | 6 Port   |
|------------|----------|----------|----------|----------|----------|----------|
| GRAY       | NFP-5000 | NFP-5010 | NFP-5020 | NFP-5030 | NFP-5040 | NFP-5060 |
| BLACK      | NFP-5001 | NFP-5011 | NFP-5021 | NFP-5031 | NFP-5041 | NFP-5061 |
| IVORY      | NFP-5007 | NFP-5017 | NFP-5027 | NFP-5037 | NFP-5047 | NFP-5067 |
| WHITE      | NFP-5008 | NFP-5018 | NFP-5028 | NFP-5038 | NFP-5048 | NFP-5068 |
| ALMOND     | NFP-5009 | NFP-5019 | NFP-5029 | NFP-5039 | NFP-5049 | NFP-5069 |
| LT. ALMOND | NFP-5002 | NFP-5012 | NFP-5022 | NFP-5032 | NFP-5042 | NFP-5062 |
| BROWN      | NFP-5003 | NFP-5013 | NFP-5023 | NFP-5033 | NFP-5043 | NFP-5063 |

## Unloaded Surface Mount Boxes

In addition to offering loaded PCB style surface mount boxes, Quest also offers a keystone version surface mount box.

- Ideal for mounting on a wall without cutting into the sheetrock
- Designed for use with standard and slim style keystone jacks
- Works well with Premiere WireHider raceway
- Available in 1, 2, 4 and 6 port versions



1 Port, Unloaded Surface Mount Box



2 Port, Unloaded Surface Mount Box



4 Port, Unloaded Surface Mount Box



6 Port, Unloaded Surface Mount Box



| Item #   | Color | Description                        |
|----------|-------|------------------------------------|
| NSB-5210 | WHITE | 1 PORT, UNLOADED SURFACE MOUNT BOX |
| NSB-5211 | IVORY | 1 PORT, UNLOADED SURFACE MOUNT BOX |
| NSB-5220 | WHITE | 2 PORT, UNLOADED SURFACE MOUNT BOX |
| NSB-5221 | IVORY | 2 PORT, UNLOADED SURFACE MOUNT BOX |
| NSB-5240 | WHITE | 4 PORT, UNLOADED SURFACE MOUNT BOX |
| NSB-5241 | IVORY | 4 PORT, UNLOADED SURFACE MOUNT BOX |
| NSB-5260 | WHITE | 6 PORT, UNLOADED SURFACE MOUNT BOX |



## Wall Plate Surface Mount Boxes

- Ideal for mounting without cutting into the sheetrock
- 2" box allows for wider bend radius for thicker cable



| Item #   | Color | Description                            |
|----------|-------|----------------------------------------|
| NFP-3000 | WHITE | 1½" DEEP, WALL PLATE SURFACE MOUNT BOX |
| NFP-3005 | WHITE | 2" DEEP, WALL PLATE SURFACE MOUNT BOX  |

## Unloaded High Density Staggered UTP Patch Panels

Quest high-density staggered keystone patch panels are sold unloaded and are designed to fit standard and slim-style keystone jacks without the need for Bezel Inserts.

- Ideal for standard and slim style keystone jacks
- High density for 24 keystone jacks per rack unit
- No bezel required
- Compatible with Cat5E and Cat6 jacks

- Staggered panels are Cat6A optimized
- Staggered panel positions for alien cross-talk mitigation
- Built-in cable mangement



24 Port, Angled and Staggered Unloaded HD Patch Panel



24 Port, Staggered Unloaded HD 19" Patch Panel

**CAT5E CAT6 CAT6A**

| Item #   | Color | Description                                                    |
|----------|-------|----------------------------------------------------------------|
| NBP-6224 | BLACK | 24 PORT, ANGLED AND STAGGERED, UNLOADED HD UTP PATCH PANEL, 1U |
| NBP-6324 | BLACK | 24 PORT, STAGGERED, UNLOADED HD 19" UTP PATCH PANEL, 1U        |

## Unloaded High Density UTP Patch Panels

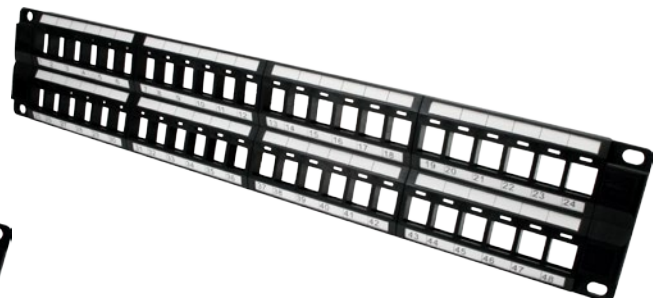
Quest high-density keystone patch panels are sold unloaded and are designed to fit standard and slim-style keystone jacks without the need for Bezel Inserts.

- Ideal for standard and slim style keystone jacks
- High density for 24 keystone jacks per rack unit

- No bezel required
- Built-in cable mangement



24 Port, Unloaded HD 19" Patch Panel



48 Port, Unloaded HD 19" Patch Panel

**CAT5E CAT6**

| Item #   | Color | Description                                  |
|----------|-------|----------------------------------------------|
| NBP-2224 | BLACK | 24 PORT, UNLOADED HD 19" UTP PATCH PANEL, 1U |
| NBP-2248 | BLACK | 48 PORT, UNLOADED HD 19" UTP PATCH PANEL, 2U |

## High-Speed USB 2.0 Cables

Quest offers a wide selection of USB 2.0 version cables with high-speed data transmissions of up to 480 Mbps. These cables are offered in standard male to male cables, as well as male to female extension cables.

- Maximum transfer speed 480 Mbps
- 100 Milliamp charging power
- Backward compatible with USB 1.1



**A-Male to A-Male**



**A-Male to B-Male**



**A-Male to A-Female**

| Description        | Color | 3 ft.    | 6 ft.    | 10 ft.   | 15 ft.   |
|--------------------|-------|----------|----------|----------|----------|
| A-MALE TO A-MALE   | GRAY  | NUB-3003 | NUB-3006 | NUB-3010 | NUB-3015 |
| A-MALE TO B-MALE   | GRAY  | NUB-3103 | NUB-3106 | NUB-3110 | NUB-3115 |
| A-MALE TO A-FEMALE | GRAY  | NUB-3203 | NUB-3206 | NUB-3210 | NUB-3215 |

## Super-Speed USB 3.0 Cables

Quest also offers the lightning fast USB 3.0 version cables with high-speed data transmissions topping at 4.8 Gbps. Unlike USB 2.0 which always supplies power, USB 3.0 Smart Charging detects when a device is plugged in and will stop providing power when not in use. Cables are offered in standard male to male, as well as male to female extension cables.

- 10X faster data transfers than USB 2.0
- Maximum transfer speed 4.8 Gbps
- Upload and download data simultaneously
- 900 Milliamp smart charging power
- Backward compatible with USB 2.0 & 1.1



**A-Male to A-Male**



**A-Male to B-Male**



**A-Male to A-Female**

| Description        | Color | 3 ft.    | 6 ft.    |
|--------------------|-------|----------|----------|
| A-MALE TO A-MALE   | BLACK | NUB-4006 | NUB-4010 |
| A-MALE TO B-MALE   | BLACK | NUB-4106 | NUB-4110 |
| A-MALE TO A-FEMALE | BLACK | ----     | NUB-4210 |

## USB 2.0 to Lightning Cables

- Ideal for Apple iPhone, iPod and iPad
- Connect to computer for syncing and charging
- Connect to USB power adapter for outlet charging

| Description                | Color | 3 ft.    | 6 ft.    |
|----------------------------|-------|----------|----------|
| USB 2.0 TO LIGHTNING CABLE | BLACK | NUB-6103 | NUB-6106 |
| USB 2.0 TO LIGHTNING CABLE | WHITE | NUB-6803 | NUB-6806 |



## USB to HDMI 4K2K Adapters

- Offered in USB Type-C to HDMI A
- Compatible with most computers and mobile devices
- HDMI 4K2K resolution, 2160p



| Item #   | Color | Description                |
|----------|-------|----------------------------|
| NUB-6111 | WHITE | USB TYPE-C TO HDMI ADAPTER |



## USB to Ethernet Adapters

- Available in USB Type-C to RJ45
- Support twisted pair crossover detection and auto-correction
- Compatible with most computers and mobile devices

| Item #   | Color | Description                                    |
|----------|-------|------------------------------------------------|
| NUB-6011 | WHITE | USB TYPE-C TO ETHERNET RJ45 ADAPTER, 100 Mbps  |
| NUB-6411 | WHITE | USB TYPE-C TO ETHERNET RJ45 ADAPTER, 1000 Mbps |



## USB to VGA Adapters

- Offered in USB Type-C to VGA
- Interfaces with most displays, monitors and projectors
- Compatible with most computers and mobile devices
- Audio must be transmitted separately

| Item #   | Color | Description               |
|----------|-------|---------------------------|
| NUB-6211 | WHITE | USB TYPE-C TO VGA ADAPTER |



## USB 3.0 Hub w/ Ethernet Port

- USB Type-C to 3-port USB 3.0 plus 1-port Ethernet
- Maximum transfer speed 5 Gbps
- Compatible with most computers and mobile devices
- Supports 10/100/1000Mbps auto-detection

\*Backward Compatible with USB 2.0 & 1.1

| Item #   | Color | Description                                       |
|----------|-------|---------------------------------------------------|
| NUB-6013 | BLACK | USB TYPE-C TO 3-PORT USB 3.0 PLUS 1-PORT ETHERNET |





Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

## Premium SVGA Video Cables

- Premium double shielded construction
- 3 Coax (Red, Green, Blue) + 7 Conductor
- High-density molded ferrites for EMI/RFI protection
- UXGA, SVGA, SXGA compliant
- PVC jacket

| Item #   | Figure | Description                                         |
|----------|--------|-----------------------------------------------------|
| NCC-9206 | FIG. 1 | 6 FT. SVGA CABLE, HDB-15 (M-M) W/FERRITE            |
| NCC-9210 | FIG. 1 | 10 FT. SVGA CABLE, HDB-15 (M-M) W/FERRITE           |
| NCC-9215 | FIG. 1 | 15 FT. SVGA CABLE, HDB-15 (M-M) W/FERRITE           |
| NCC-9225 | FIG. 1 | 25 FT. SVGA CABLE, HDB-15 (M-M) W/FERRITE           |
| NCC-9250 | FIG. 1 | 50 FT. SVGA CABLE, HDB-15 (M-M) W/FERRITE           |
| NCC-9315 | FIG. 2 | 15 FT. SVGA EXTENSION CABLE, HDB-15 (M-F) W/FERRITE |
| NCC-9325 | FIG. 2 | 25 FT. SVGA EXTENSION CABLE, HDB-15 (M-F) W/FERRITE |
| NCC-9350 | FIG. 2 | 50 FT. SVGA EXTENSION CABLE, HDB-15 (M-F) W/FERRITE |

## Economy SVGA Video Cables

- Aluminum mylar shield
- Tinned conductors & drain wire
- Molded hood, strain relief & thumbscrews
- PVC jacket / gold plated pins
- Connector ground indents

| Item #   | Figure | Description                               |
|----------|--------|-------------------------------------------|
| NCC-9006 | FIG. 3 | 6 FT. SVGA EXTENSION CABLE, HDB-15 (M-F)  |
| NCC-9010 | FIG. 3 | 10 FT. SVGA EXTENSION CABLE, HDB-15 (M-F) |
| NCC-9906 | FIG. 4 | 6 FT. SVGA CABLE, HDB-15(M-M)             |

## Equipment AC Power Cords

- 10A/125V power cord rating
- 18AWG conductors with SVT jacket
- Additional lengths and styles are available upon request



| Item #   | Figure | Description                               |
|----------|--------|-------------------------------------------|
| GMP-4401 | FIG. 5 | 1 FT. AC POWER EXTENSION CORD, UNSHIELDED |
| GMP-4006 | FIG. 6 | 6 FT. EQUIPMENT AC POWER CORD, UNSHIELDED |

# Computer Data Cables

- Aluminum mylar shield
- Tinned copper drain wire
- Tinned stranded copper conductors
- Molded with thumbscrews
- PVC jacket

| Item #   | Figure | Description                         |
|----------|--------|-------------------------------------|
| NCC-1106 | FIG. 1 | 6 FT. CABLE, DB-9 (M-M)             |
| NCC-1110 | FIG. 1 | 10 FT. CABLE, DB-9 (M-M)            |
| NCC-1125 | FIG. 1 | 25 FT. CABLE, DB-9 (M-M)            |
| NCC-1206 | FIG. 2 | 6 FT. EXTENSION CABLE, DB-9 (M-F)   |
| NCC-1210 | FIG. 2 | 10 FT. EXTENSION CABLE, DB-9 (M-F)  |
| NCC-1225 | FIG. 2 | 25 FT. EXTENSION CABLE, DB-9 (M-F)  |
| NCC-2206 | FIG. 3 | 6 FT. CABLE, DB-9 (F-F)             |
| NCC-2210 | FIG. 3 | 10 FT. CABLE, DB-9 (F-F)            |
| NCC-5206 | FIG. 4 | 6 FT. CABLE, DB-25 (M) TO DB-9 (F)  |
| NCC-5210 | FIG. 4 | 10 FT. CABLE, DB-25 (M) TO DB-9 (F) |

## Null Modem Cables & Adapters

- Cross-wired DTE and DCE signals
- Constructed of molded PVC

| Item #   | Figure | Description                                    |
|----------|--------|------------------------------------------------|
| NCC-5406 | FIG. 4 | 6 FT. NULL MODEM CABLE, DB-25 (M) TO DB-9 (F)  |
| NCC-5410 | FIG. 4 | 10 FT. NULL MODEM CABLE, DB-25 (M) TO DB-9 (F) |
| NCC-5425 | FIG. 4 | 25 FT. NULL MODEM CABLE, DB-25 (M) TO DB-9 (F) |
| NCC-5625 | FIG. 5 | 25 FT. NULL MODEM CABLE, DB-25 (M-F)           |
| NGC-5102 | FIG. 6 | DB-25 (M-F) NULL MODEM ADAPTER                 |
| NGC-5105 | FIG. 7 | DB-9 (M-F) NULL MODEM ADAPTER SLIM LINE        |

## Modular Adapters

Quest offers a select line of modular adapters for converting data from D-sub to modular connectors. These adapters allow D-sub transmission across building wiring and are available in DB9, DB15 and DB25 versions.

- Converts D-Sub to modular cables
- PVC housing
- Allows D-Sub data to be transmitted across building wiring
- Available in DB-9, DB-15 and DB-25 versions

| Item #   | Figure | Description                        |
|----------|--------|------------------------------------|
| NMA-6209 | FIG. 8 | 6P6C RJ12 TO DB-9 (F) MOD ADAPTER  |
| NMA-8109 | FIG. 8 | 8P8C RJ45 TO DB-9 (M) MOD ADAPTER  |
| NMA-8209 | FIG. 8 | 8P8C RJ45 TO DB-9 (F) MOD ADAPTER  |
| NMA-8509 | FIG. 8 | 8P8C RJ45 TO DB-25 (M) MOD ADAPTER |



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



\*Male

Fig. 1



\*Female

Fig. 2



Fig. 3

Fig. 4



Fig. 5

Fig. 6



\*Male

Fig. 7



\*Female

Fig. 8



Fig. 9

Fig. 10



Fig. 11

## D-Sub Solder Connectors

- Gold plating over nickel contacts
- UL94V-0 flame retardant insulator

| Item #   | Figure | Description                                 |
|----------|--------|---------------------------------------------|
| DSC-1109 | FIG. 1 | D-SUB CONNECTOR, 9 PIN (M), SOLDER TYPE     |
| DSC-1115 | FIG. 1 | D-SUB CONNECTOR, 15 PIN (M), SOLDER TYPE    |
| DSC-1125 | FIG. 1 | D-SUB CONNECTOR, 25 PIN (M), SOLDER TYPE    |
| DSC-1137 | FIG. 1 | D-SUB CONNECTOR, 37 PIN (M), SOLDER TYPE    |
| DSC-1209 | FIG. 2 | D-SUB CONNECTOR, 9 PIN (F), SOLDER TYPE     |
| DSC-1215 | FIG. 2 | D-SUB CONNECTOR, 15 PIN (F), SOLDER TYPE    |
| DSC-1225 | FIG. 2 | D-SUB CONNECTOR, 25 PIN (F), SOLDER TYPE    |
| DSC-3109 | FIG. 3 | D-SUB CONNECTOR, HD 15 PIN (M), SOLDER TYPE |
| DSC-3209 | FIG. 4 | D-SUB CONNECTOR, HD 15 PIN (F), SOLDER TYPE |

## D-Sub Crimp Connectors

- Gold plating over nickel contacts
- UL94V-0 flame retardant insulator

| Item #   | Figure | Description                             |
|----------|--------|-----------------------------------------|
| DHA-2101 | FIG. 5 | D-SUB, CRIMP PINS, MALE                 |
| DHA-2102 | FIG. 6 | D-SUB, CRIMP PINS, FEMALE               |
| DSC-2109 | FIG. 7 | D-SUB CONNECTOR, 9 PIN (M), CRIMP TYPE  |
| DSC-2115 | FIG. 7 | D-SUB CONNECTOR, 15 PIN (M), CRIMP TYPE |
| DSC-2125 | FIG. 7 | D-SUB CONNECTOR, 25 PIN (M), CRIMP TYPE |
| DSC-2209 | FIG. 8 | D-SUB CONNECTOR, 9 PIN (F), CRIMP TYPE  |
| DSC-2215 | FIG. 8 | D-SUB CONNECTOR, 15 PIN (F), CRIMP TYPE |
| DSC-2225 | FIG. 8 | D-SUB CONNECTOR, 25 PIN (F), CRIMP TYPE |

## Telco Connectors

- Connector with 90 degree hood
- Terminates 24-26 AWG wire

| Item #   | Figure  | Description                                      |
|----------|---------|--------------------------------------------------|
| DST-1001 | FIG. 9  | CENTRONICS TELCO CONNECTOR, 50 PIN (M), 522912-1 |
| DST-1002 | FIG. 10 | CENTRONICS TELCO CONNECTOR, 50 PIN (F), 522913-1 |

## D-Sub Insertion/Extraction Tools

- Tool for fastening and removing crimp pins

| Item #   | Figure  | Description                       |
|----------|---------|-----------------------------------|
| DHA-3000 | FIG. 11 | D-SUB INSERTION / EXTRACTION TOOL |

## D-Sub Hoods

- Available in plastic, metalized plastic or metal
- Includes screw-lock hardware

| Item #   | Figure | Description                  |
|----------|--------|------------------------------|
| DSH-5109 | FIG. 1 | D-SUB HOOD, DB-9, PLASTIC    |
| DSH-5115 | FIG. 1 | D-SUB HOOD, DB-15, PLASTIC   |
| DSH-5125 | FIG. 1 | D-SUB HOOD, DB-25, PLASTIC   |
| DSH-5137 | FIG. 1 | D-SUB HOOD, DB-37, PLASTIC   |
| DSH-5309 | FIG. 2 | D-SUB HOOD, DB-9, METALIZED  |
| DSH-5325 | FIG. 2 | D-SUB HOOD, DB-25, METALIZED |
| DSH-5409 | FIG. 3 | D-SUB HOOD, DB-9, METAL      |
| DSH-5415 | FIG. 3 | D-SUB HOOD, DB-15, METAL     |
| DSH-5425 | FIG. 3 | D-SUB HOOD, DB-25, METAL     |

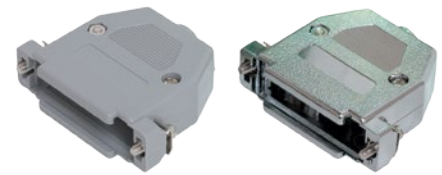


Fig. 1

Fig. 2

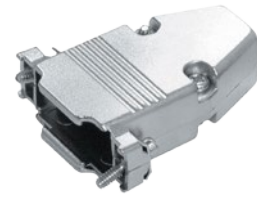


Fig. 3



Fig. 4

Fig. 5

## D-Sub Mounting Hardware

- Ideal for use with most D-Sub hoods
- Thumbscrews & standoffs available

| Item #   | Figure | Description                       |
|----------|--------|-----------------------------------|
| DHA-5010 | FIG. 4 | D-SUB THUMBSCREW (SET OF 2)       |
| DHA-5020 | FIG. 5 | D-SUB HEX STANDOFF (SET OF 2)     |
| DHA-5030 | FIG. 6 | D-SUB FEMALE SCREWLOCK (SET OF 2) |



Fig. 6

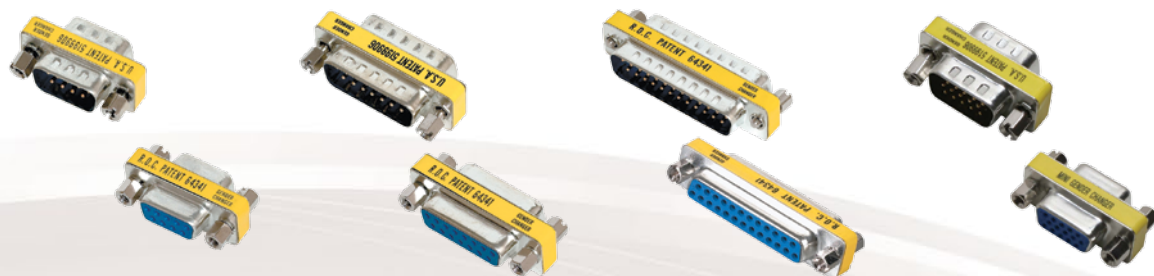
## D-Sub Slim Line Adapters

| Item #   | Figure  | Description                                 |
|----------|---------|---------------------------------------------|
| NGC-1099 | FIG. 7  | DB-9 (F) TO DB-25 (M) SLIM LINE ADAPTER     |
| NGC-1000 | FIG. 7  | DB-9 (M) TO DB-25 (F) SLIM LINE ADAPTER     |
| NGC-1011 | FIG. 8  | DB-9 (M-M) SLIM LINE ADAPTER                |
| NGC-1022 | FIG. 8  | DB-9 (F-F) SLIM LINE ADAPTER                |
| NGC-1033 | FIG. 9  | DB-15 (M-M) SLIM LINE ADAPTER               |
| NGC-1044 | FIG. 9  | DB-15 (F-F) SLIM LINE ADAPTER               |
| NGC-1055 | FIG. 10 | DB-25 (M-M) SLIM LINE ADAPTER               |
| NGC-1066 | FIG. 10 | DB-25 (F-F) SLIM LINE ADAPTER               |
| NGC-1077 | FIG. 11 | HD-15 (M-M) SLIM LINE ADAPTER, HIGH-DENSITY |
| NGC-1088 | FIG. 11 | HD-15 (M-M) SLIM LINE ADAPTER, HIGH-DENSITY |



**DB-9 to DB-25**

Fig. 7



**DB-9**

Fig. 8

**DB-15**

Fig. 9

**DB-25**

Fig. 10

**HD-15**

Fig. 11