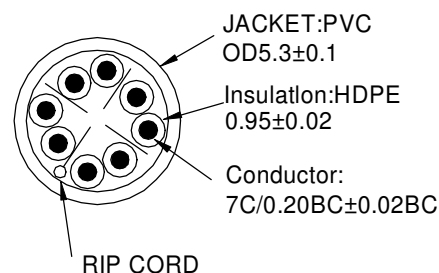


CAT5E Snagless Boot UTP Patch Cords

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
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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 MAX Insertion Loss*(dB)	Quest MAX Insertion Loss*(dB)	TIA MIN Return Loss*(dB)	Quest MIN Return Loss*(dB)	TIA Min Psnext *(dB)	Quest Min Psnext *(dB)	TIA Min Psacr *(dB)	Quest Min Psacr *(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

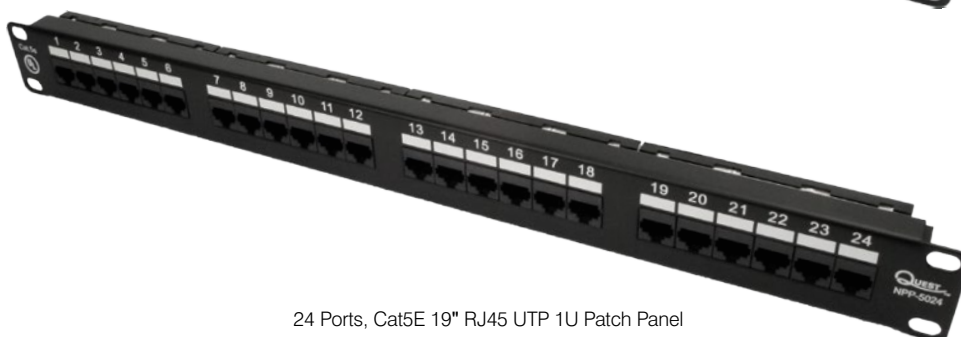
- Available in 16, 24 and 48 port 19" rack mount models
- 12 port wall mount panel includes 89D wall mount bracket
- 110 IDC termination to RJ45 UTP jacks wired to ANSI/TIA 568A/B standards



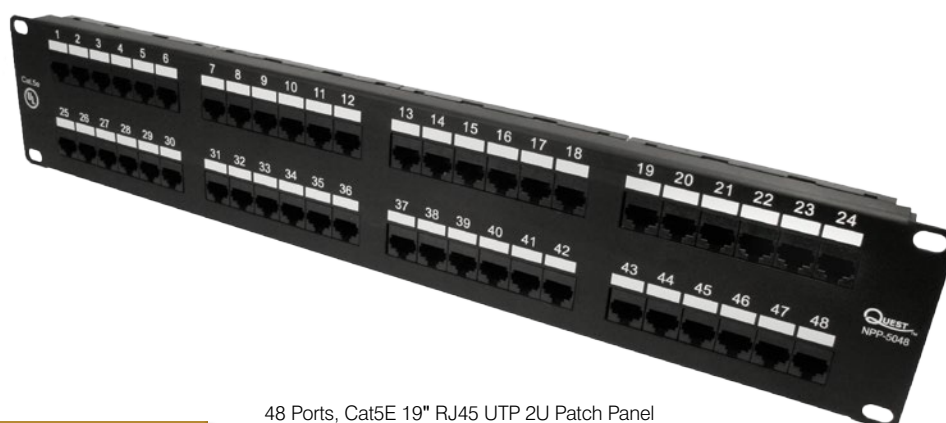
12 Ports, Cat5E RJ45 UTP Wall Mount Patch Panel with 89D wall mount bracket included



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

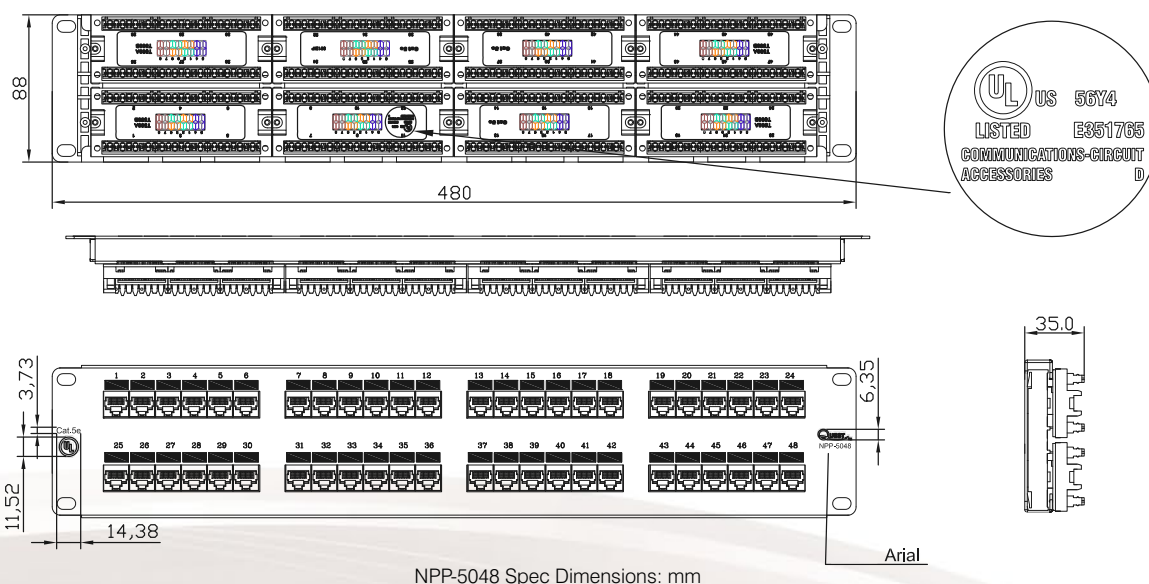


Item #	Color	Description
NPP-5012	BLACK	12 PORTS, CAT5E RJ45 UTP WALL MOUNT PATCH PANEL, ANSI/TIA 568A/B, UL, W/ 89D BRACKET
NPP-5016	BLACK	16 PORTS, CAT5E 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL
NPP-5024	BLACK	24 PORTS, CAT5E 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL
NPP-5048	BLACK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



Physical Specifications

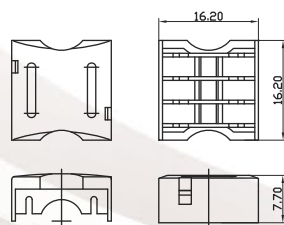
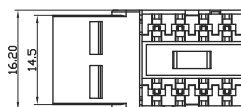
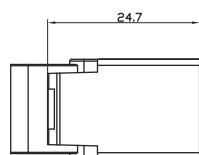
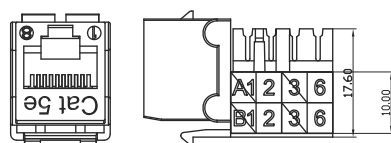
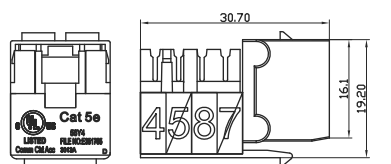
Termination:	110 IDC, RJ45
Jack Housing:	Poly Butylene Terephthalare resin high-impact UL94V-2
Spring wire:	Phosphor Bronze C5210R-H, t=0.3 mm 50u" Gold over 70u" Nickel undercoat on contact area 180u" Tin over 70u" Nickel undercoat on solder area
IDC Housing:	Polycarbonate resin high-impact UL94V-2
IDC Contact:	Phosphor Bronze C5191R-H, t=0.4 mm 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



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 50u" Gold over 70u" Nickel undercoat on contact area 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 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

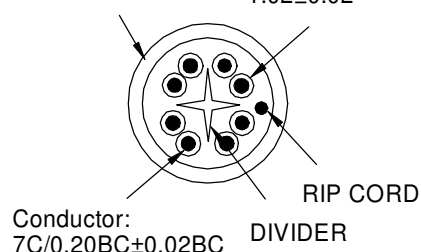
CAT6 Snagless UTP Patch Cords

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



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 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
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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 MAX Insertion Loss*(dB)	Quest MAX Insertion Loss*(dB)	TIA MIN Return Loss*(dB)	Quest MIN Return Loss*(dB)	TIA Min Psnext *(dB)	Quest Min Psnext *(dB)	TIA Min Psacr *(dB)	Quest Min Psacr *(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

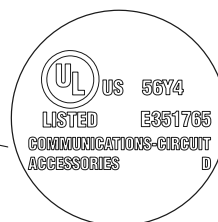
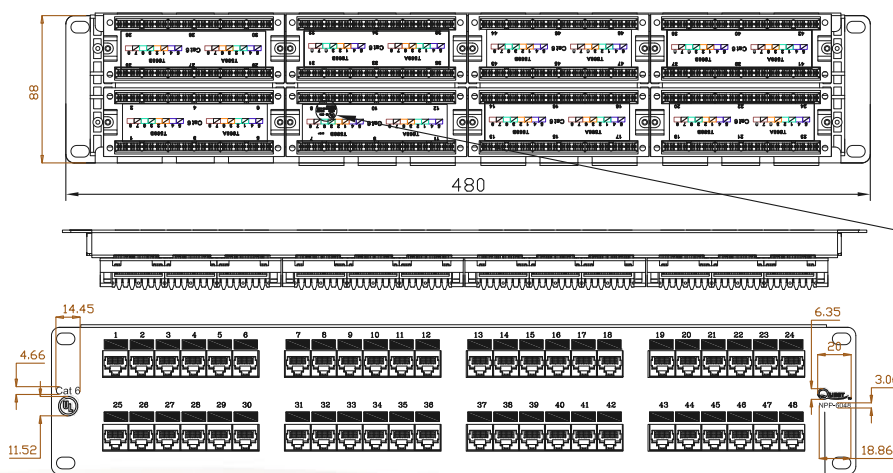


Item #	Color	Description
NPP-6012	BLACK	12 PORTS, CAT6 RJ45 UTP WALL MOUNT PATCH PANEL, ANSI/TIA 568A/B, UL, W/ 89D BRACKET
NPP-6016	BLACK	16 PORTS, CAT6 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL
NPP-6024	BLACK	24 PORTS, CAT6 19" RJ45 UTP PATCH PANEL, 1U, ANSI/TIA 568A/B, UL
NPP-6048	BLACK	48 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 50u" Gold over 70u" Nickel undercoat on contact area 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 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

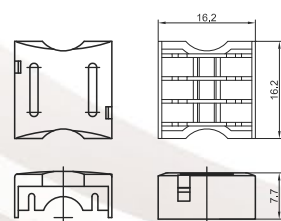
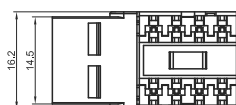
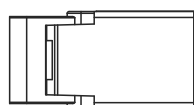
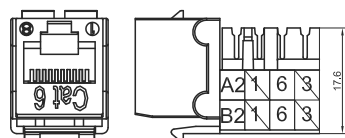
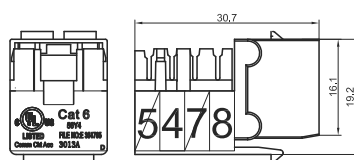


NPP-6048 Spec Dimensions: mm

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 50u" Gold over 100u" Nickel undercoat 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, 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

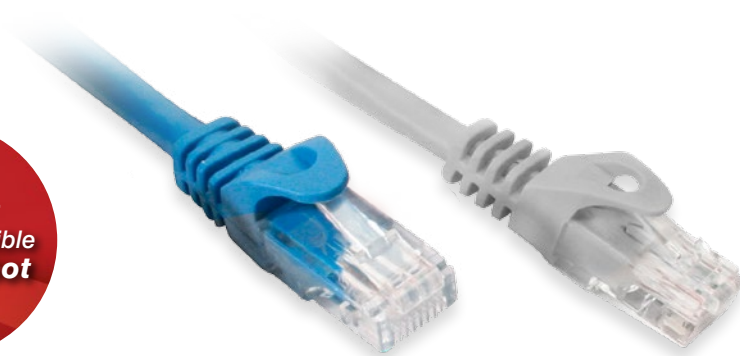
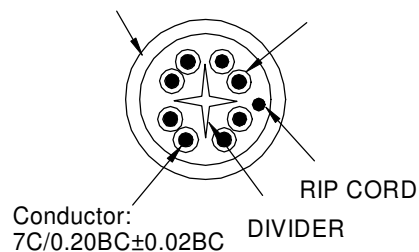
CAT6A Snagless UTP Patch Cords

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



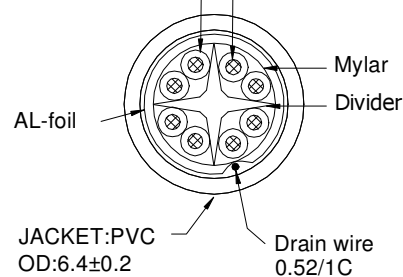
Color	3 ft.	7 ft.	10 ft.	15 ft.	25 ft.
BLUE	NPC-3203	NPC-3207	NPC-3210	NPC-3215	----
GRAY	NPC-3903	NPC-3907	NPC-3910	NPC-3915	NPC-3925

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 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
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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

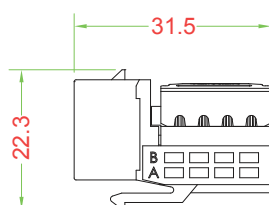
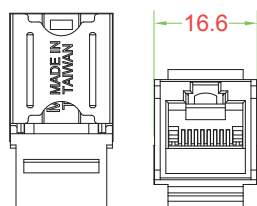
Performance

Frequency (MHz)	TIA MAX Insertion Loss TIA*(dB)	Quest MAX Insertion Loss*(dB)	TIA MIN Return Loss*(dB)	Quest MIN Return Loss*(dB)	TIA Min Psnext *(dB)	Quest Min Psnext *(dB)	TIA Min Psacr *(dB)	Quest Min Psacr *(dB)	TIA Min PSANEXT *(dB)	Quest Min PSANEXT *(dB)	TIA Min PSAACR-F *(dB)	Quest Min PSAACR-F *(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

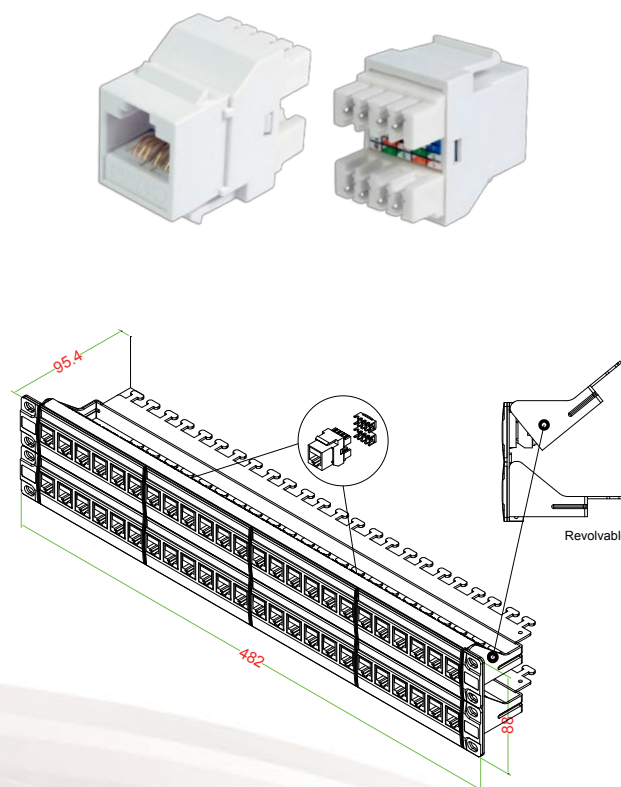
Front Plate:	Fireproof ABS UL-94V0
Panel:	Metal (SPCC)
Cable Management:	Metal (SPCC)
Keystone Body:	Fireproof ABS UL-94V0
Jack:	8P8C 50 micro inches gold plated
PCB:	FR-4 / UL-94V0
IDC Cap:	Fireproof ABS UL-94V0
IDC Body:	Fireproof ABS UL-94V0
IDC Pin:	Bronze & Tinned
IDC Description:	For 22-26 AWG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

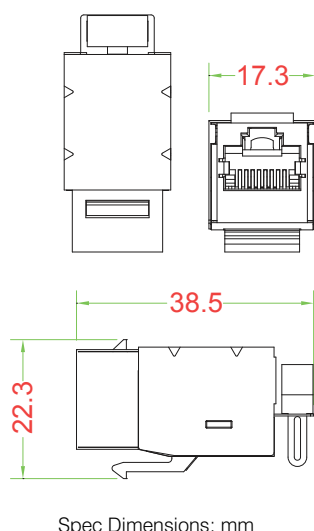
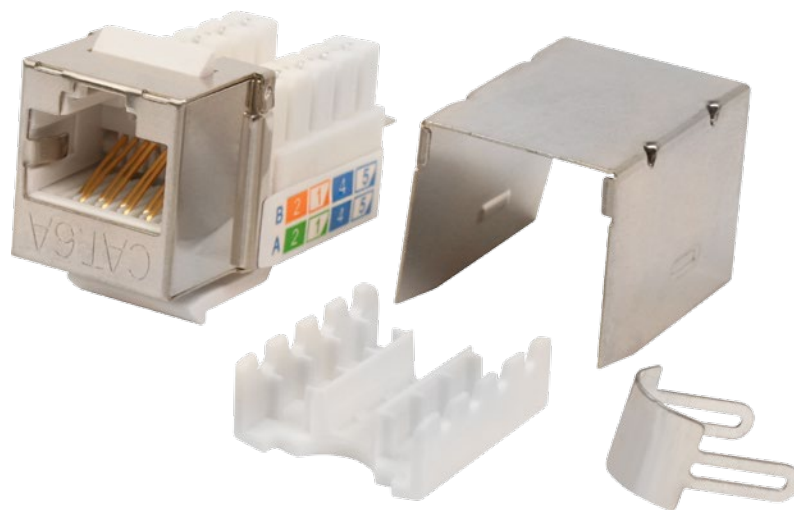


NPP-3148 Spec Dimensions: mm

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



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.

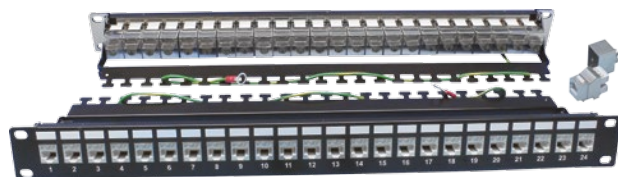
Mechanical Specifications

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

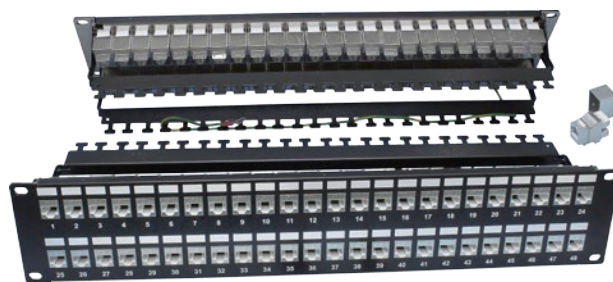
CAT6A FTP Shielded Patch Panels w/ Cable Management

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

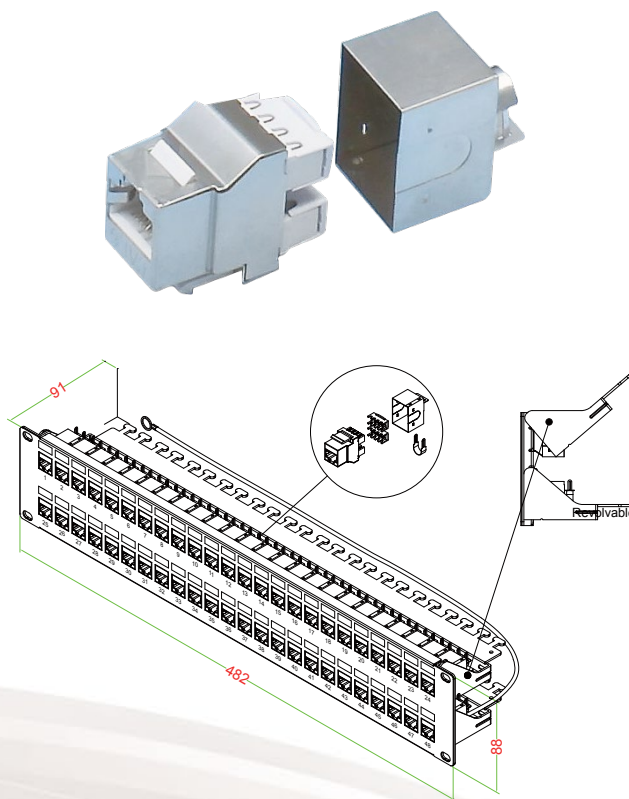
Panel:	Metal (SPCC)
Cable Management:	Metal (SPCC)
Keystone Body:	Fireproof ABS UL-94V0
Metallic Case:	Metal
Jack:	8P8C 50 micro inches gold plated
PCB:	FR-4 / UL-94V0
IDC Cap:	Fireproof ABS UL-94V0
IDC Body:	Fireproof ABS UL-94V0
IDC Pin:	Bronze & Tinned
IDC Description:	For 22-26 AWG (110 punch-down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

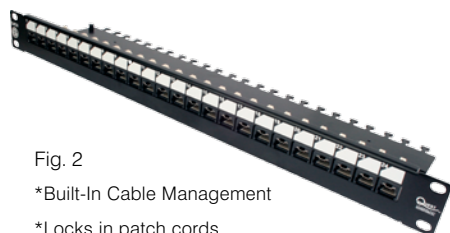


Fig. 2

*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

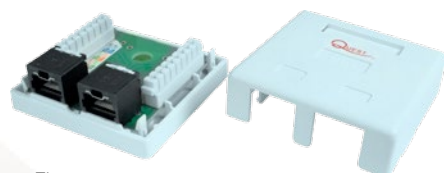


Fig. 4

*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