Nitrotel Enterprise Copper Solution

Structured cabling is a standardized approach to designing and installing a cabling system that provides a reliable and flexible infrastructure for enterprise networks. It supports various hardware uses and is suitable for today's requirements and those of the future.
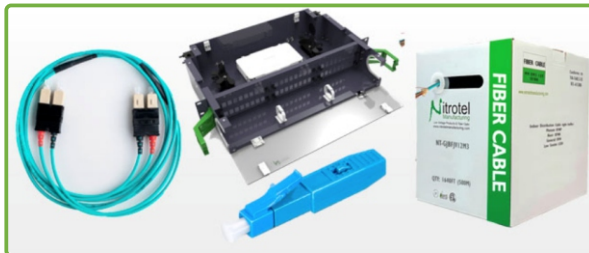
CABINETS AND ENCLOSURES

COPPER SYSTEM

FIBER OPTICS SYSTEMS

OUTDOOR CABLING SYSTEMS

ACCESSORIES

CABLE ADMINISTRATION

PRODUCT DATA SHEET

CATEGORY 6A SOLUTION

Cable U/UTP Cat 6A

Features
- Meets or exceeds requirements of ANSI/TIA-568.2-D
- Category 6A and ISO 11801 2nd Edition Class EA channel standards.
- Meets or exceeds requirements of IEC 61156-5
- Category 6A component standards.
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE+ or PoE++ applications.
- Third party tested to comply with ANSI/TIA/EIA-568.2-D
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- Color Availability: Additional cable colors available.
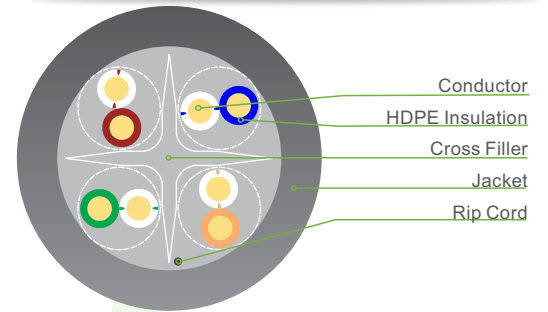- UL and ETL Verified.

Ordering Information

NTNC6A__ -

Jacket Color

BU	RD
GY	BK
WH	YL
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	6.4±0.2
C	CM	6.4±0.2
R	CMR	6.4±0.2
L	LSZH	6.4±0.2

Conductor
HDPE Insulation
Cross Filler
Jacket
Rip Cord

Conductor

Conductor	Solid Bare Annealed Copper 23AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Oranage/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Cable F/UTP Cat 6A

Features
- Meets or exceeds requirements of ANSI/TIA-568.2-D
- Category 6A and ISO 11801 2nd Edition Class EA channel standards.
- Meets or exceeds requirements of IEC 61156-5
- Category 6A component standards.
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE+ or PoE++ applications.
- Third party tested to comply with ANSI/TIA/EIA-568.2-D
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
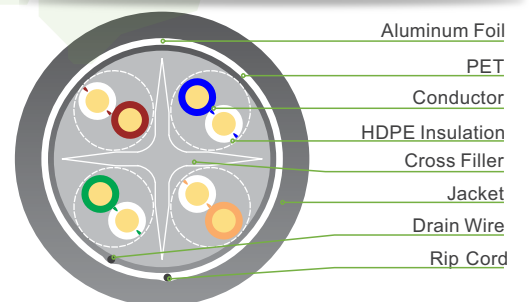- UL and ETL Verified

Ordering Information

NTNC6A__FTP-_

Jacket Color

BU	RD
GY	BK
WH	YL
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	7.6±0.2
C	CM	7.6±0.2
BLANK	CMR	7.6±0.2
L	LSZH	7.6±0.2
E	LDPE	7.6±0.2

Aluminum Foil
PET
Conductor
HDPE Insulation
Cross Filler
Jacket
Drain Wire
Rip Cord

Conductor

Conductor	Solid Bare Copper 23AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	blue x white, orange x white, green x white, brown x white
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out.
Drain wire	Tinned copper

Keystone Jack Unshielded Cat 6A

Features
- Backward compatible.
- Compliant with EIA/TIA-568.2-D Cat6A connecting hardware specifications.
- PoE standards: IEEE 802.3af, 802.3at, 802.3bt, UPoE, and Supports
- Power over HDBaseT™ (PoH) up to 100 watts
- Dual-color coded labeling made for both 568A & 568B wiring schemes.
- Compact slim design fits into any conventional face plate, outlet box, or panel.
- UL-certified.
- Patented Printed Circuit Board designed to meet Cat6A performances.
- Insertion life: 750 cycles minimum.
- 50u" gold plated contacts.

Ordering Information

NTKJ6A_ _ SL

Color

BU	RD	WH	YL
GY	BK	GN	OR

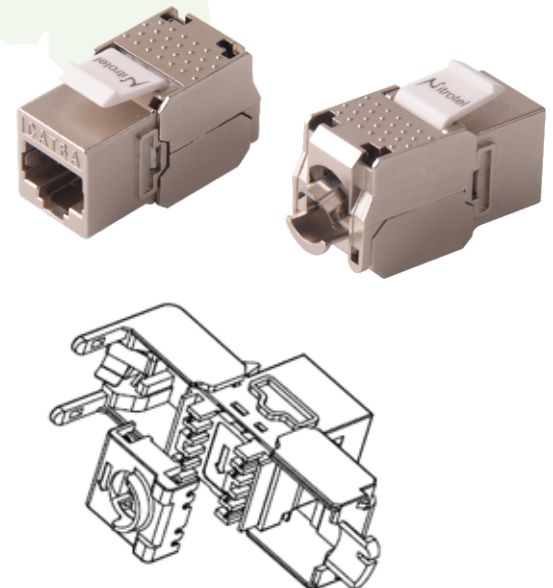Special orders available upon request.

Keystone Jack Shielded Cat 6A

Features
- Backward compatible
- Compliant with EIA/TIA-568.2-D Cat6A connecting hardware specifications.
- UL-certified.
- Patented Printed Circuit Board designed to meet Cat6A performances.
- Insertion life: 750 cycles minimum.
- 50u" gold plated contacts.
- Robust die-cast housing.
- 270 wide-angle hinge provides easy access and termination.
- Tooless design. No punchdown tool required; snaps closed when termination is complete.
- Compatible with S/FTP, F/UTP, U/FTP and other common shielded cable types.
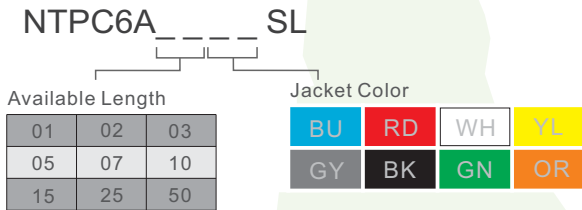
Ordering Information

NTKJ6ASHSL

Patch Cords U/UTP Cat 6A

Features
- Electrical performance guaranteed to meet or exceed
- ANSI/TIA-568.2-D Category 6A and ISO/EIC specifications.
- PoE Compliance: Supports IEEE 802.3f/ 802.3at /802.3bt at PoE++ applications.
- 10GBASE-T Ethernet
- Independently tested and verified UL and ETL.
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different color of cable and different length
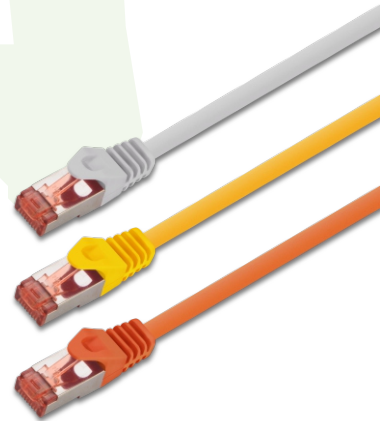
Ordering Information

NTPC6A_ _ _ _ SL

Available Length

01	02	03
05	07	10
15	25	50

Jacket Color

BU	RD	WH	YL
GY	BK	GN	OR

Special orders available upon request.

Conductor

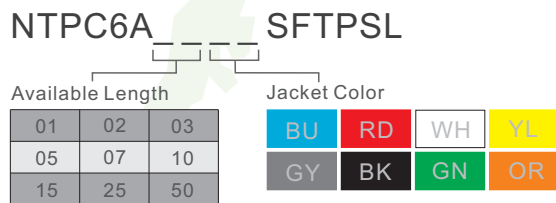| Conductor	Stranded Bare Copper 28 AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue,White-Orange/Orange White-Green/Green,White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Patch Cords S/FTP Cat 6A

Features
- Electrical performance guaranteed to meet or exceed
- ANSI/TIA-568.2-D Category 6A and ISO/EIC specifications.
- PoE Compliance: Supports IEEE 802.3f/ 802.3at /802.3bt at PoE++ applications.
- 10GBASE-T Ethernet
- Independently tested and verified UL and ETL.
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different color of cable and different length.

Ordering Information

NTPC6A_ _ _ _ SFTPSL

Available Length

01	02	03
05	07	10
15	25	50

Jacket Color

BU	RD	WH	YL
GY	BK	GN	OR

Special orders available upon request.

Conductor

Conductor	Standed bare copper 26AWG
Insulation	PE(Foam-Skin)
Total number of insulated conductors	8, twisted in 4 pairs
Color code	blue x white, orange x white, green x white, brown x white
Individual pair shield	aluminum foil, providing 100% coverage, foil face out
Overall shield	Tinned copper braid
Drain wire	None

Patch Cords U/UTP Cat 6A

Features
- Standard density 1U 24-port, 2U 48-port.
- Exclusive crisscross design provides maximum alien crosstalk protection.
- Convenient rear cable management bar to facilitate proper bend radius of cables.
- Compatible with industry-standard 19" racks.
- Universal T568A/568B wiring labels for 110-style IDC termination.

Mechanical
1. Housing Material: PBT
2. Panel Frameme: Carbon Steel, Powder coating in blanck color

Ordering Information
24 Ports: NTPP6A24U
48 ports: NTPP6A48U

Patch-Panel Modular (Unloaded)

Features
- 24 or 48 ports, UTP or FTP blank patch panel for use with Cat. 6A, 6 or Cat.5e keystone jacks
- Cable management bar includes
- 19" Standard Rack Mount
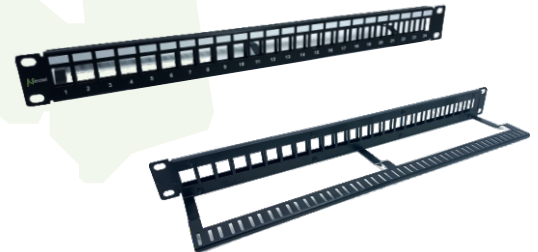- Exclusive design for maximum alien crosstalk suppression.

Order Information
24 Ports UTP: NTBP24U
48 ports UTP: NTBP48U
24 Ports FTP: NTBP24USH
48 ports FTP: NTBP48USH

786.409.3741   sales@nitrotelmanufacturing.com   WEB www.nitrotelmanufacturing.com

Cable U/UTP Premium Cable Cat 6
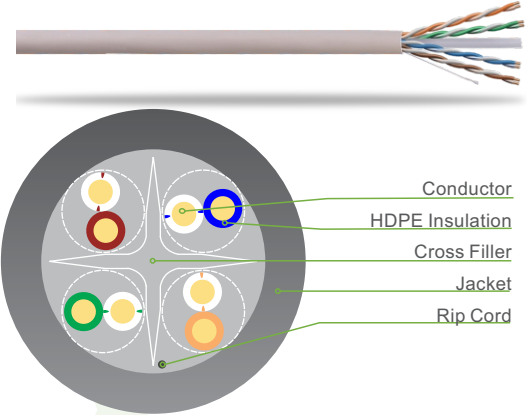
Features

- Exceeds requirements of ANSI/TIA-568.2-D
- Tested at 550 Mhz
- Category 6 and ISO 11801 2nd Edition Class E channel standards.
- Cross filler and 23AWG Solid 4PR UTP,
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE+ or PoE++ applications.
- hird party tested to comply with ANSI/TIA/EIA-568.2-D
- UL and ETL Verified.

Ordering Information

NTNC6E_ _ -

Jacket Color

BU	RD
GY	BK
WH	YL
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	6.4±0.2
C	CM	6.4±0.2
R	CMR	6.4±0.2
L	LSZH	6.4±0.2

Conductor
HDPE Insulation
Cross Filler
Jacket
Rip Cord

Conductor

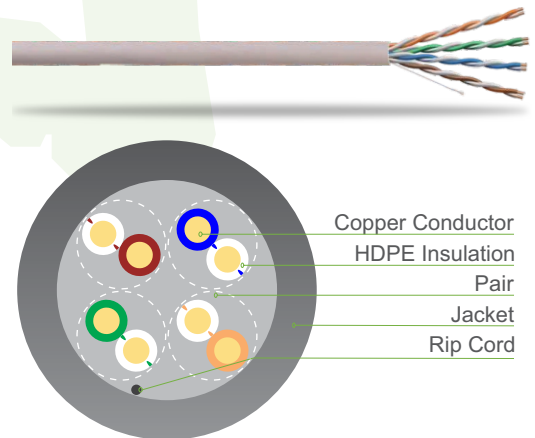| Conductor	Solid Bare Annealed Copper 23AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Cable U/UTP Cat 6

Features

- Meets or exceeds requirements of ANSI/TIA-568.2-D
- Category 6 and ISO 11801 2nd Edition Class E channel standards.
- Meets or exceeds requirements of IEC 61156-5
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE+ or PoE++ applications.
- Third party tested to comply with ANSI/TIA/EIA-568.2-D
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- UL and ETL Verified

Ordering Information

NTNC6_ _ -

Jacket Color

BU	RD
GY	BK
WH	YL
GN	PR

Item	Outer Jacket	Overall diameter(mm)
P	CMP	5.8±0.2
C	CM	5.8±0.2
R	CMR	5.8±0.2
L	LSZH	5.8±0.2

Copper Conductor
HDPE Insulation
Pair
Jacket
Rip Cord

Conductor

Conductor	Solid Bare Copper 24AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Keystone Jack Unshielded Cat6

Features
- Backward compatible
- Compliant with EIA/TIA-568.2-D Cat6 connecting hardware specifications
- PoE Compliance: Supports IEEE 802.3f/ 802.3at /802.3bt at PoE++ applications and Supports Power over HDBaseT™ (PoH) up to 100 watts
- Dual-color coded labeling made for both 568A & 568B
- Compact slim design fits into any conventional face plate, outlet box, or panel
- Patented Printed Circuit Board designed to meet Cat6 performances
- Utilizes 180 degree industry standard 110 termination style
- 50u" gold plated contacts.
- Enhanced IDC termination towers reduce installation time and increased performance
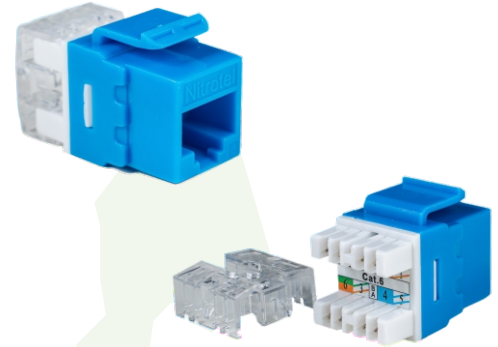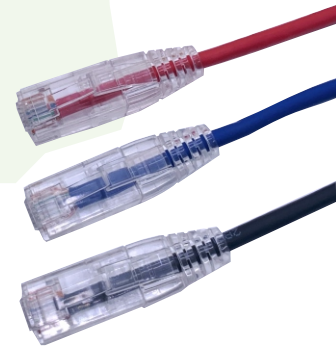
Ordering Information

NTKJ1806E_ _ _SL

Color

BU	RD	WH	YL
GY	BK	GN	OR

Special orders available upon request.

Patch Cords U/UTP Cat 6

Features
- Electrical performance guaranteed to meet or exceed
- ANSI/TIA-568.2-D Category 6 and ISO/EIC specifications.
- PoE Compliance: Supports IEEE 802.3f/ 802.3at /802.3bt at PoE++ applications.
- Independently tested and verified UL and (ETL).
- Ideal for Data center architectural requirements.
- Stranded cable for maximum flexibility.
- Available with different color of cable and different length..

Order Information

NTPC6E_ _ _ _ _SL

01	02	03
05	07	10
15	17	25
33	50	66
98		

Jacket Color

BU	RD	WH	YL
GY	BK	GN	OR

Conductor

| Conductor	Stranded Bare Copper 28AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Patch-Panel Unshielded Cat 6

Features

- Standard density 1U 24-port, 2U 48-port.
- Include silk-screened port numbers and paper label holders.
- Include color code labels for T568A and B.
- Utilizes industry standard termination 110 style Termination punchdown.
- Mounts to the front or rear of any standard EIA 19" spaced rack.
- Convenient rear cable management bar to facilitate proper bend radius of cables.

Ordering Information

24 Ports: NTPPC624U

48 ports: NTPPC648U
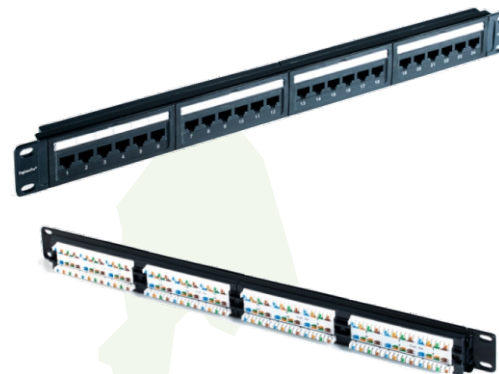
Face Plate

Features
- 1/2/3/4/6 ports available.
- White color (other under request)
- Dimensions:101.6 x 50.8mm (4x2")
- Jack flush plate: Convenient icons for easy identification of voice or data applications.
- Jack Angled Plate: Jack in 45 degrees and 2 labels with plastic covers

Ordering Information

NTFP_ _ _LWH

Number of Ports	Flush (blank)
01	Angled: A
02	
03	
05	
06	
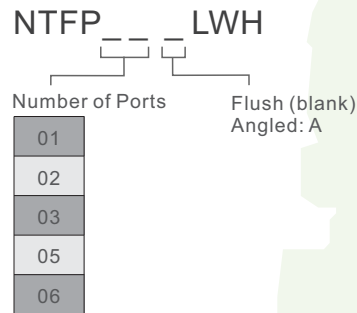
Surface Mount Box

Features
- Service ID icons
- Cable can be installed from the sides or base of the box
- The boxes shall mount with screws or adhesive tape (included)
- Supplied in easy tear polybags
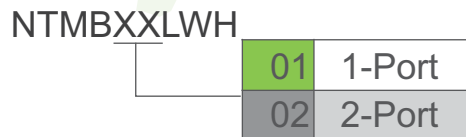- Ingenious spring-loaded integral shutter protects

Construction
Plastic: ABS
Color: White

Dimensions
1-Port= 2.5in H x 2.0in W x 0.1in D (65mm x 48.2mm x 27mm)
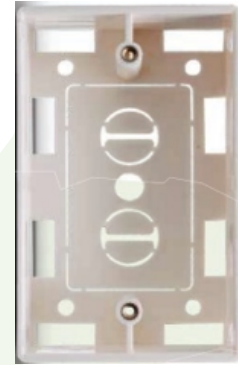2-Port= 2.5in H x 3.0in W x 0.1in D (65mm x 76.0mm x 27mm)

Ordering Information

NTMBXXLWH

01	1-Port
02	2-Port

Face Plate

Features
- Size: 115*72*35(mm)
- Material: ABS. Color White

Ordering Information

Item	Description	Size
NTMB24	Mounting Box	115*72*35mm

Nitro Wrap

Features
- At least 200 re-fastenings.
- Available in black (other colors upon request)
- Stocked in Rolls of 3 / 4" width x 30 ft long (option 75')
- You can easily cut it to length desired.

Order Information

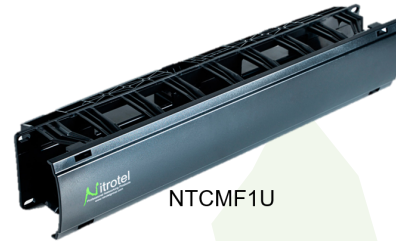NTNW-30HLB

Vertical Cable Manager

Features
- Dimensions 2U: 4" (W) x 4" (D)
- Color: Black ABS Plastic
- Hinged for easy cable administration

Order Information

NTCMFXU(S)

01	1-Port
02	2-Port

NTCMF1U

NTCMF1US

Patch Cords U/UTP Cat 6

Features
- Standard for installation in open racks TIA-310
- Color: Black ABS Plastic

Ordering Information

Model	Height	Section Width x Depth	Format
NTCMFV35SX	35" (890mm)	3.75 x 3.15" (95x80mm)	Simplex
NTCMFV35SSX	35" (890mm)	4.2 x 4.2" (107x107mm)	Simplex
NTCMFV35DX	35" (890mm)	4 x 4" (102x102mm)	Duplex
NTCMFV71DX	71" (1803mm)	4 x 4" (102x102mm)	Duplex

EZ Termination Tool

Features

- Simultaneous termination of eight twisted-pair conductors including excess trimming
- Comfortable plastic handle grips lightweight and compact
- Integrated lock allows tool to be stowed while not in use

Order Information

NTKJEZTT

Cable Stripper for twisted pair and coaxial

Features

- SFrom UTP or FTP Cat3 to cat6A cables
- Coaxial RG-58/59/6/8/11
- Dimensions: 13.97 x 9.04 x 2.84 cm; 91 Grs
- High strength ABS Plastic

Ordering Information

NTST300

110 Impact Punch Down Tooll

Features

- Spring loaded impact style termination seats and cuts wires with less effort
  Users can select either the HI or LO setting on the tool
- Cushioned end cap and body grip helps to absorb impact
- forces and reduces operator fatigue

Order Information

NTPDT26

Base for easy termination Keystone Jack

Features

- Works with 180 and 90 degrees Nitrotel Keystone Jacks
- High resistant quality ABS material
- For impact tools or non-impact tools

Order Information

NTG704