

# CABLE ASSEMBLIES

BIDnet™ Pre-Terminated Copper Trunk Assemblies are the ideal solution for data centers, open office and other applications where accuracy, reliability and performance are the most important factors. 100% factory tested and assembled simplifies installation, saving more than 70% on installation time and labor, compared to traditional field terminated permanent links. With the "Go Green" initiative BIDnet™ provides the exact lengths and number of connections needed eliminating unwanted cable waste.

All component rated patch cords are tuned to each Hubbell system delivering maximum headroom. Hubbell patch cords are constructed with specially designed patch cable and are 100% performance tested assuring the highest quality, most reliable patch cord in the industry.





# BIDnet™ Pre-Terminated Copper Trunk Assemblies

## Design

- Optimized component matching to maximize performance and eliminate residual and reflected NEXT.

## Superior Strain Relief

- Molded strain relief and cassette ensures factory termination, provides maximum strain relief after and during installation.

## Capacity

- Small form factor allows up to 6 keystone connections delivering a maximum capacity.

## Performance

- Balanced design delivers headroom over the TIA and ISO Category 6A standard providing true application assurance.

## Flexibility

- BIDnet™ is available in various configurations, categories, colors, and lengths to help identify different LANs, applications and devices.

## Reliability

- Application: Qualified for 10 Gigabit Ethernet Transmission IEEE 802.3an.
- Component: Third-Party verified for TIA-568-C.2 Category 6A and 6 component.
- Channel: Tested for ISO 11801 Class E<sub>A</sub> and E compliant.
- Current Capacity: Qualified for PoE and PoE+ IEEE 802.3at.
- Manufacturing: 100% factory tested in a controlled environment.
- **MISSION CRITICAL®** Warranty.

## Versatility

- BIDnet™ can be utilized in standard Hubbell iSTATION™, Delivery and Cross Connect products for Data Center and Open Office applications.

## Identification

- Each individual permanent link is labeled at each end making it easy for adds, moves, and changes.

## Consistency

- 100% factory terminated and tested ensuring the most reliable connections.

## Standards

- ◆ ANSI/TIA-568-C.2 (Previously 568-B.2-10 Category 6A component).
- ◆ ISO 11801 Class D, E, and E<sub>A</sub> Compliant (Category 6A).
- ◆ IEEE 802.3at capable.
- ◆ UL Listed 1863.



D4



Hubbell Premise Wiring • 14 Lord's Hill Road • Stonington, CT 06378 • Tel: (860) 535-8326 • Fax: (860) 535-8328



**HUBBELL**  
**Advantage**

- **MISSION CRITICAL®** Warranty\*.
- TIA and ISO Category 6A **NEXTSPEED®** Ascent Channel Compliance.
- Reduces Installation Time by More than 70%.
- 100% Factory Tested, Factory Terminated.
- Assemblies Made to Length Eliminates Cable Waste.

\* Required project is registered in accordance with **MISSION CRITICAL®** Program.

**Specifications**

**Jacks**

- ◆ Nose contact material: Beryllium Copper with Precious Metal plating over Nickel under-plating.
- ◆ Contact performance: confirmed over the full range of TIA plug deflection limits.

**Plugs**

- ◆ Mechanical: Cable to plug tensile strength: 20+ lbs.  
Mating cycles: 2000+.
- ◆ Material  
Plug body: Polycarbonate UL 94V-0.  
Plug boot: PVC.
- ◆ Contact: High strength copper alloy.
- ◆ Plating: 50 micro-inch Precious Metal over 100 micro-inch under-plating.

**Available Options**

- ◆ Lengths: 10'-295'.
- ◆ Legs: 1, 4 and 6.
- ◆ Category: 5e, 6 and 6A.
- ◆ Connection: RJ45 Jack;  
RJ45 Plug;  
Open End.
- ◆ Cable: Plenum, Riser and LSZH.
- ◆ UTP: Category 5e;  
Category 6;  
Category 6A.
- ◆ FTP: Category 6 (10GbE).
- ◆ Color: Blue and White.

*BIDnet™ pre-terminated Copper Trunk Assemblies are the ideal solution for data centers, open office and other applications where accuracy, reliability and performance are the most important factors.*

*BIDnet™ assemblies provide simplicity for permanent links between switches, servers and patch panels. MUTOAs and zone distribution areas, enabling easy MACs to the infrastructure.*

*100% factory tested and assembled simplifies installation time and labor, compared to traditional field terminated permanent links.*

*Go Green with BIDnet™. BIDnet™ provides the exact lengths and number of connections needed eliminating unwanted cable waste.*



All BIDnet™ pre-terminated cable assemblies are made-to-order items. Please call our inside sales team for lead-time and availability.



## Ascent Patch Cords, Category 6A

### Design

- Enhanced design to eliminate alien cross talk.

### Performance

- Balanced design delivers channel headroom over the TIA and ISO Category 6A standard up to 500MHz providing true 10GbE application assurance.

### Reliability

- Application: Qualified for 10 Gigabit Ethernet Transmission IEEE 802.3an.
- Channel: Third-Party tested for TIA-568-C.2 Category 6A Channel and ISO 11801 Class E<sub>A</sub> compliant.
- Heat: Qualified for PoE and PoE+ IEEE 802.3at.
- Manufacturing: 100% factory tested in a controlled environment.

### Versatility

- NEXTSPEED®** Ascent patch cords are stocked in 3, 5, 7, 10, 15, and 20 foot lengths to support all standard patching requirements. 25 to 75 foot lengths (5 foot increments) are available upon request.

### Superior Strain Relief

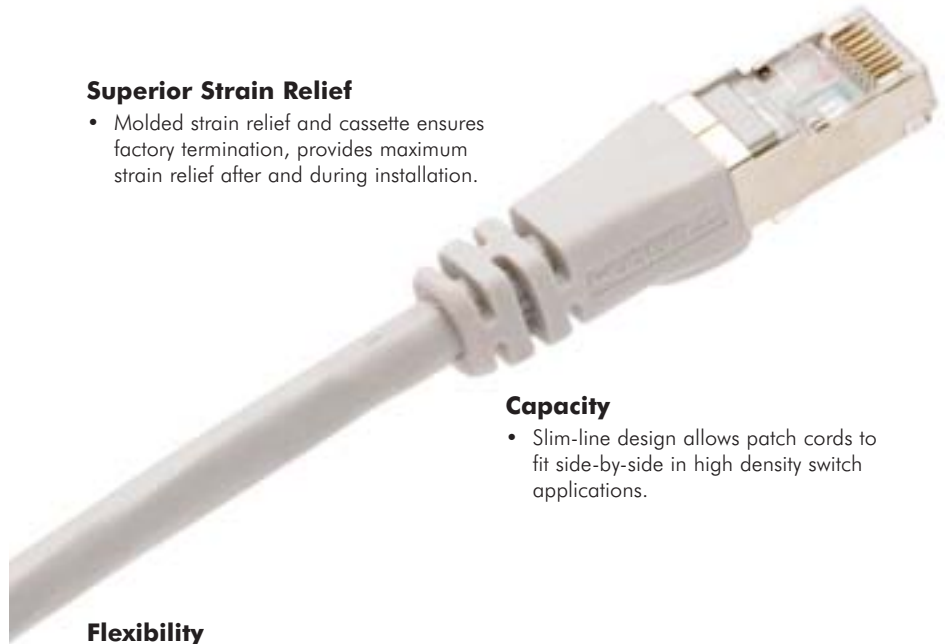
- Molded strain relief and cassette ensures factory termination, provides maximum strain relief after and during installation.

### Capacity

- Slim-line design allows patch cords to fit side-by-side in high density switch applications.

### Flexibility

- The HJ6A is available in 8 different colors to help in the identification of multiple LANs, applications and devices.



### Specifications

#### Plugs

- ◆ Mechanical: Cable to plug tensile strength: 20+ lbs. Mating cycles: 2000+.
- ◆ Material  
Plug body: Polycarbonate UL 94V-0.  
Plug boot: PVC.
- ◆ Contact: High strength copper alloy.
- ◆ Plating: 50 micro-inch Gold with 100 micro-inch under-plating.

#### Standards

- ANSI/TIA-568-C.2 (Previously 568-B.2-10 Category 6A channel).
- ISO 11801 Class E<sub>A</sub> compliant (Category 6A).
- IEEE 802.3at capable.
- UL Listed 1863.



- TIA and ISO Category 6A **NEXTSPEED®** Ascent Channel Compliance.
- High-Density Plug Design Makes Patching Easy.
- 100% Factory Tested.
- Cable Construction Extends Patch Cord Life Span, Reducing Waste.

**NEXTSPEED® Ascent Category 6A Patch Cords****Patch Cords, Category 6A**

Color: Gray

Catalog No. **PC6AGYXX** **XX** = Standard Color:**"B"** = Blue; **"BK"** = Black; **"GY"** = Gray; **"Y"** = Yellow. For other colors replace color designation with one of the following: **OR** = Orange, **R** = Red, **GN** = Green, **P** = Purple, **W** = White

\* = Standard Length:

**"03"** = 3'; **"06"** = 6'; **"08"** = 8'; **"10"** = 10'; **"12"** = 12'; **"16"** = 16'; **"20"** = 20'.

MTO lengths: 25', 30', 35', 40', 45', 50', 55', 60', 75', and 100'.

**NEXTSPEED® PCX6 Category 6 Universal Patch Cords**

- Patented Design.
- Verified Category 6 Component Performance.
- 100% Factory-Tested to Category 6.
- RoHS Compliant.
- Inner Core Design Extends Patch Cord Life Span Reducing Waste.

**Features/Benefits**

- Snagless boot design.
- High-performance, staggered plug design.

**Specifications**

- Feature a grey-smoked plug for easy identification.
- Third-Party component tested and verified.
- Category 6 4-pair 24AWG stranded UTP cable.
- UL flame retardant PVC cable jacket.
- Modular plug contacts 50µ" Gold plated.
- PVC, snagless, slip on boot.

**Patch Cords, Category 6**

Delivery: 1 patch cord

Catalog No. **PCX6XX\*****XX** = Standard Color:**"B"** = Blue; **"BK"** = Black; **"GY"** = Gray; **"Y"** = Yellow. For other colors replace color designation with one of the following: **OR** = Orange, **R** = Red, **GN** = Green, **P** = Purple, **W** = White

\* = Standard Length:

**"03"** = 3'; **"06"** = 6'; **"08"** = 8'; **"10"** = 10'; **"12"** = 12'; **"16"** = 16'; **"20"** = 20'.

MTO lengths: 25', 30', 35', 40', 45', 50', 55', 60', 75', and 100'.

**SPEEDGAIN® PCX5E Category 5e Universal Patch Cords**

- Patented Design.
- Verified Category 5e Component Performance.
- 100% Factory Tested for Cat 5e.
- RoHS Compliant.
- Inner Core Design Extends Patch Cord Life Span Reducing Waste.

**Features/Benefits**

- Snagless, slimline boot design.
- High-performance, staggered plug design.

**Specifications**

- Third-Party component tested and verified.
- Category 5e 4-pair 24AWG stranded UTP cable.
- UL flame retardant PVC cable jacket.
- Modular plug contacts 50µ" Gold plated.
- Modular plug rated for 750 insertions.
- PVC, overmolded slimline boot.

**Patch Cords, Category 5e**

Delivery: 1 patch cord

Catalog No. **PCX5EXX\*****XX** = Standard Color:**"B"** = Blue; **"BK"** = Black; **"GY"** = Gray; **"Y"** = Yellow

For other colors replace color designation with one of the following:

**OR** = Orange, **R** = Red, **GN** = Green, **P** = Purple, **W** = White

\* = Standard Length:

**"01"** = 1'; **"03"** = 3'; **"05"** = 5'; **"07"** = 7'; **"10"** = 10'; **"15"** = 15'; **"20"** = 20';**"25"** = 25'; **"30"** = 30'; **"35"** = 35'; **"40"** = 40'; **"45"** = 45'; **"50"** = 50';**"55"** = 55'; **"60"** = 60'; **"75"** = 75'; **"100"** = 100'

**HUBBELL**  
NextSpeed

**Shielded Patch Cords,  
10GbE/Category 6**

Two-piece conductor sled design.



Customized patch cable.

**HUBBELL**  
Advantage

- ANEXT Component Performance.
- PoE and PoE+ ready.
- 100% Factory Tested.
- RoHS Compliant.
- Inner Core Design Extends Patch Cord Life Span Reducing Waste.

**Features/Benefits**

- Zero Bit-Error channel performance.
- Controlled crosstalk.
- Backward compatible to Cat. 5e, 5.

**Specifications**

**Mechanical**

- ◆ Cable to plug tensile strength: 20+ lbs.

**Material**

- ◆ Plug body: Polycarbonate UL 94V-0.
- ◆ Plug boot: PVC.

**Hlabel** HUBBELL Compatible with Hubbell Labeling System - see page M8.

**NEXTSPEED® Shielded Patch Cords, 10GbE/Category 6**



The PS6 patch cords are constructed with specially designed patch cable and a cross pair separator delivering one of the industry's highest performing patch cords. The PS6 plug incorporates a two-piece conductor sled design to optimize performance and control NEXT by separating and staggering pairs. This unique design provides consistent contact-to-conductor alignment. Every PS6 patch cord is 100% performance tested, to assure high quality and reliability before it leaves the factory.



Length	Catalog No.	Length	Catalog No.
3'	<b>PS603XX</b> ✓10G	15'	<b>PS615XX</b> ✓10G
5'	<b>PS605XX</b> ✓10G	20'	<b>PS620XX</b> ✓10G
7'	<b>PS607XX</b> ✓10G	25'	<b>PS625XX</b> ✓10G
10'	<b>PS610XX</b> ✓10G		

XX=Color; B=Blue, GY=Gray

**SPEEDGAIN® Shielded Patch Cords, Category 5e**



The PS5e patch cords are constructed with custom designed patch cable delivering a high performing patch cords. Every PS5e patch cord is 100% performance tested, to assure high quality and reliability before it leaves the factory.



Length	Catalog No.	Length	Catalog No.
3'	<b>PS5E03XX</b>	15'	<b>PS5E15XX</b>
5'	<b>PS5E05XX</b>	20'	<b>PS5E20XX</b>
7'	<b>PS5E07XX</b>	25'	<b>PS5E25XX</b>
10'	<b>PS5E10XX</b>		

XX=Color; B=Blue, GY=Gray



## 25-Pair Cable Assemblies

### Gigabit, 25-pair Cable Assemblies

Delivery: 1 cable assembly supplied with mounting screws, male-to-male connectors and a choice of various connector configurations.

Gender	Connector Angles	Length	Catalog No.
Male to Male	180° to 90°	5'	<b>525G2105E</b>
Male to Male	180° to 90°	10'	<b>525G2110E</b>
Male to Male	180° to 90°	15'	<b>525G2115E</b>
Male to Male	180° to 180°	5'	<b>525G2205E</b>
Male to Male	180° to 180°	10'	<b>525G2210E</b>
Male to Male	180° to 180°	15'	<b>525G2215E</b>

NOTE: See page E12 for 100BASE-T patch panels.



525G2210E

### Fast Ethernet, 25-pair Cable Assemblies

Delivery: 1 cable assembly supplied with mounting screws, male-to-male connectors and a choice of various connector configurations.

Gender	Connector Angles	Length	100BASE-T Catalog No.
Male to Male	180° to 90°	5'	<b>525PS2105E</b>
Male to Male	180° to 90°	10'	<b>525PS2110E</b>
Male to Male	180° to 90°	15'	<b>525PS2115E</b>
Male to Male	180° to 180°	5'	<b>525PS2205E</b>
Male to Male	180° to 180°	10'	<b>525PS2210E</b>
Male to Male	180° to 180°	15'	<b>525PS2215E</b>
Male to Male	180° to 110°	5'	<b>525PS2305E</b>
Male to Male	180° to 110°	10'	<b>525PS2310E</b>
Male to Male	180° to 110°	15'	<b>525PS2315E</b>

NOTE: See page E12 for 100BASE-T patch panels.



525PS2205E

### Hydra "Octopus" Cable Assemblies

Delivery: 1 cable assembly.

Wiring Format	25-Pair Connector	Plug Type	# Legs	Length	Catalog No.
T568B	180°	RJ45 Cat 5e	6	1m	<b>525PS2R06-1ME</b>
T568B	180°	RJ45 Cat 5e	6	2m	<b>525PS2R06-2ME</b>
T568B	180°	RJ45 Cat 5e	6	3m	<b>525PS2R06-3ME</b>
10/100B-T (1,2,3,6)	180°	RJ45 Cat 5e	12	1m	<b>525PS2R12-1ME</b>
10/100B-T (1,2,3,6)	180°	RJ45 Cat 5e	12	2m	<b>525PS2R12-2ME</b>
10/100B-T (1,2,3,6)	180°	RJ45 Cat 5e	12	3m	<b>525PS2R12-3ME</b>



525PS2R06-1ME

# Testers and Tools

## Modular Plugs



Snap On



Modular

### Specifications

#### Snap On Plugs

- ◆ UL Listed File #E129878.
- ◆ cUL Certified File #LR80837.
- ◆ All plug contacts 50 micro-inch Gold-plated.
- ◆ IDC wire contacts.
- ◆ Plastic: 94V-0 rated.
- ◆ For voice applications.
- ◆ For solid cable.

#### Modular Plugs

- ◆ UL Listed File #E129878.
- ◆ All plug contacts 50 micro-inch Gold-plated.
- ◆ UL 94V-0 rated.
- ◆ Terminates solid and stranded conductors.

#### Snap On Modular Plug

Description	Catalog No.
Snap on, 8-position modular plug	<b>BRFTP4P</b>

#### Modular Plugs

Description	Insulated		Catalog No.
	Conductor Range	AWG	
8-position/8-contact	.032-.038	24-26	<b>BRMOD4P25</b>
8-position/8-contact, snagless	.032-.038	24-26	<b>BRMOD4PSN25</b>
8-position/8-contact, blue	.026-.030	26	<b>UNICON14P25</b>
6-position/6-contact	.032-.038	24-26	<b>BRMOD3P25</b>
4-position/4-contact	.032-.038	24-26	<b>BRMOD2P25</b>

## Continuity Tester



### Features/Benefits

- Compact size.
- One button test results.
- Automatic shut off.
- 9 volt battery included.

### Specifications

- ◆ Tests up to 320 feet.
- ◆ Built-in BNC connector with F connector.
- ◆ Coax cable types tested: 50-75Ohm RG58, RG59, RG6, RG6 quad, Belden 8281, RG8 AND RG11.

Delivery: Main and remote continuity test units, 2 F-connector adapters, 2 RJ45 shielded patch cables, 2 belt clips

Catalog No.	<b>TCT2</b>
-------------	-------------

## Crimp Tool



UCT

CDTSR11

CDTSR22

CDTSR45

ECT

### Features/Benefits

- Universal frame accepts interchangeable dies to crimp different plugs.
- Color-coded die-sets for different plug sizes.
- Complete ratchet cycle release assures no-fault crimps.

### Specifications

- ◆ Parallel compression terminates to FCC specs - no misalignment.
- ◆ Integral wire cutter/stripper - cuts and strips cable without another tool.

Description	Catalog No.
Complete tool kit in hard, plastic case includes crimp tool, 3 die-sets UTP cable stripper Die-sets include: RJ45, RJ22 and RJ11	<b>UCTKIT</b>
Crimp Tool frame (die-sets sold separately)	<b>UCT</b>
RJ11 Die-Set	<b>CDTSR11</b>
RJ22 Die-Set	<b>CDTSR22</b>
RJ45 Die-Set (snagless or non-snagless)	<b>CDTSR45</b>
RJ45 Die-Set (non-snagless)	<b>CDTSR45S</b>
RG6 and RG59 Hex Crimp die-set	<b>CTDSRG659</b>
Economy Crimp Tool - includes non-replaceable RJ11, RJ22 and RJ45 Die-Sets	<b>ECT</b>
RG6 and RG59 Compression tool	<b>COMPTRG659</b>



## Assemble-to-Order Cable Assembly Program



- High performance, fast lead time.
- Custom-configured assemblies specific to the job.
- 100% factory tested, factory assembled.
- Made-to-length assemblies eliminates cable waste.



Hubbell's Assemble-to-Order cable assembly program can deliver custom copper and fiber assemblies within a short period of time.

Knowing that every job and every application is different, we offer custom lengths, configurations and colors to custom fit any application.

Whether the application is Cat 5e, 6, 6A, 25-pair, pre-terminated blocks or multi-configured fiber trunk cables, Hubbell can satisfy your cable assembly needs. Contact Customer Service for your custom cable assembly needs - minimum quantities apply.



### Copper Patch Cords

- ◆ Pre-Terminated Copper Trunk Assemblies.
- ◆ Category 3/5e/6/6A.
- ◆ Solid or stranded cable.
- ◆ Single or double-ended.
- ◆ Custom lengths.
- ◆ Custom configurations.
- ◆ Booted/non-booted.
- ◆ Snagless or regular plug style.
- ◆ 11 different colors.

### 110 and 25-pair

- ◆ Custom lengths.
- ◆ Custom wiring.
- ◆ Over molded.
- ◆ Single or double-ended.

### Audio Video

- ◆ X-END™ customs.
- ◆ HD-15 SVGA style.
- ◆ S-Video.
- ◆ BNC.
- ◆ RCA.
- ◆ 3.5mm.
- ◆ Plenum.
- ◆ Riser.
- ◆ Multi-Coax.
- ◆ Multi-Bundle application.

### Fiber Cords

- ◆ Trunk Cables - Multi-fiber Cable
- ◆ Simplex
- ◆ Duplex
- ◆ Pigtails
- ◆ Singlemode
- ◆ Multimode
- ◆ MTP/MTO assemblies
- ◆ LC
- ◆ SC
- ◆ ST-Style
- ◆ FC
- ◆ MT-RJ
- ◆ Angle polish
- ◆ Custom lengths