



Sweep Tested from 1-750MHz.

Guaranteed Headroom Over
TIA and ISO Category 6
Requirements.

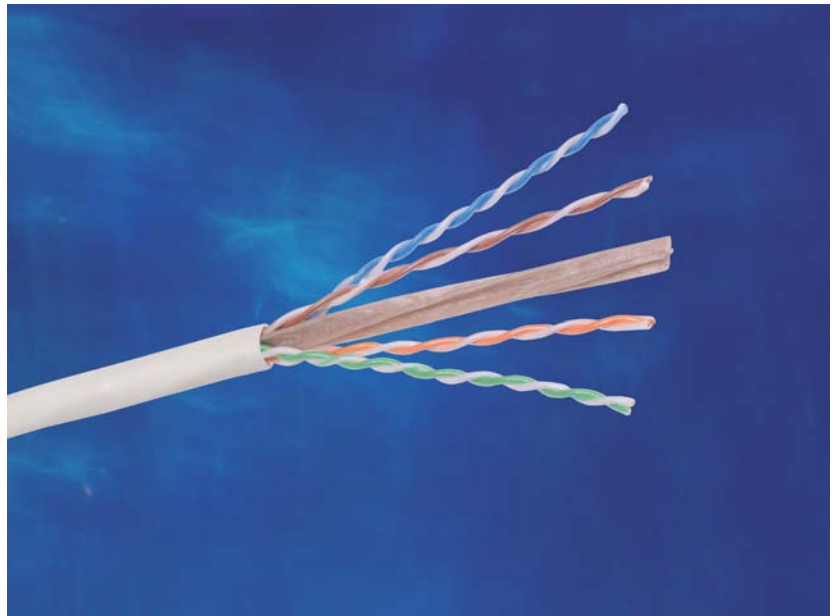
Reverse Sequential Numbering.

Backward Compatible to
Category 6, 5e, 5, and 3.

SPECIFICATIONS

- ◆ Conductor: 23 AWG solid bare copper.
- ◆ Insulation: CMP: FEP, CMR: Polyolefin.
- ◆ Pairing
 - 1: Blue + White/Blue
 - 2: Orange + White/Orange
 - 3: Green + White/Green
 - 4: Brown + White/Brown
- ◆ Cabling: Four unshielded twisted pairs cabled around a star filler member.
- ◆ Jacket
 - CMP: Low-Smoke PVC.
 - CMR: PVC.

HUBBELL NextSpeed Category 6 Enhanced Cable



Hubbell's **NEXTSPEED**® Cat 6 Enhanced cable provides substantial margin above all electrical transmission performance requirements specified in TIA/EIA-568-B.2-1 and ISO/IEC 11801 (2nd edition) standards.

Configure Hubbell Premise Wiring's component compliant, high-performance **NEXTSPEED**® connectivity (jacks, panels, cords, blocks) with **NEXTSPEED**® Cat 6 Enhanced cable and the result is a cabling solution with the best electrical performance in the industry.

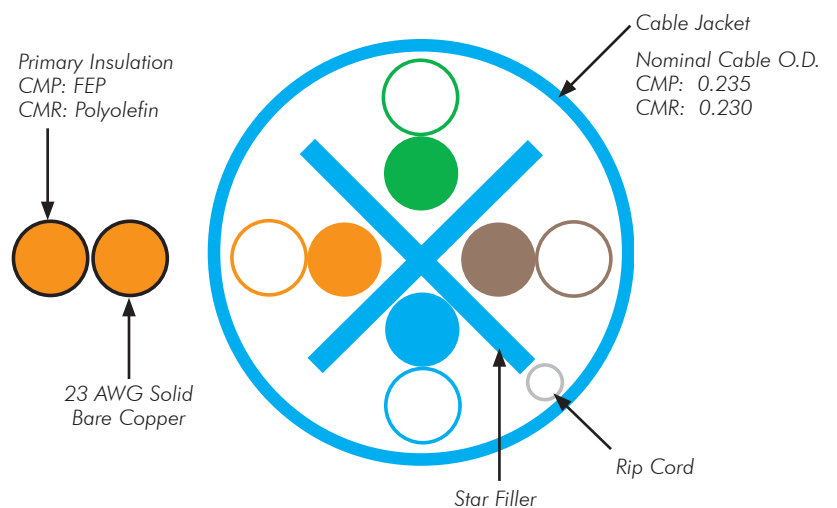
STANDARDS/VERIFICATIONS

- ANSI/TIA/EIA-568-B.2-1 Category 6 component specifications.
- IEEE 802.3af (PoE).
- UL Listed.
- NEC Article 800 compliant.

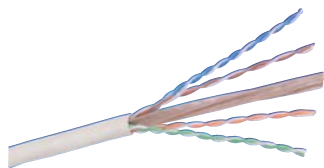
APPLICATIONS

- ▲ Ethernet: 10/100/1000BASE-T, 10GBASE-T.
- ▲ Data centers: Multi-Gigabit between devices
 - Server to server
 - Server to storage
 - Server to switch
- ▲ PoE applications.
- ▲ Bandwidth intense processing:
 - High-resolution 3D modeling
 - On-line document publishing
 - Real-time video to the desktop
 - Broadband video
 - Digital video

CABLE FEATURES



ORDERING INFORMATION



NEXTSPEED® Category 6 Enhanced, 4-Pair, UTP Cable

	Catalog No. Riser		Catalog No. Plenum	
Color	Spool	REELEX*	Spool	REELEX*
Blue	C6ESRB	C6ERRB	C6ESPB	C6ERPB
Gray	C6ESRGY	C6ERRGY	C6ESPGY	C6ERPGY
White	C6ESRW	C6ERRW	C6ESPW	C6ERPW
Yellow	C6ESRY	C6ERRY	C6ESPY	C6ERPY

* REELEX is licensed and patented by Windings Inc.

NEXTSPEED® SYSTEM PRODUCTS

NEXTSPEED® Jacks, Category 6

Order Information

Catalog No. **HXJ6XX**

XX = Color:

BK' = Black;

B' = Blue;

EI' = Electric Ivory;

GL' = Gold (25-pack);

GY' = Gray;

GN' = Green;

OW' = Office White;

OR' = Orange;

P' = Purple (25-pack);

R' = Red;

TI' = Telco Ivory;

W' = White;

Y' = Yellow.



NEXTSPEED® Patch Panel, Category 6

Order Information

Description	Catalog No.
Protected PCB	P6EXXU
Universal Angled	P6XXVU
Non-Protected PCB	P6XXU

XX = Ports

'24' = 24-port, 1.75"H

'48' = 48-port, 3.50"H

'96' = 96-port, 7.00"H



P6E48U

See page Full Line Catalog page for product options: color, size, length.

NEXTSPEED® Patch Cords, Category 6

Order Information

Catalog No. **PCX6XX***

XX = Standard Color:

"BK" = Black; **"B"** = Blue; **"GY"** = Gray;

"Y" = Yellow

* = Standard Length:

"03" = 3'; **"06"** = 6'; **"08"** = 8'; **"10"** = 10';

"12" = 12'; **"16"** = 16'; **"20"** = 20';



PCX6B03

TRANSMISSION SPECIFICATIONS - Worst Case

TIA/EIA-568-B.2-1 Category 6 Compliant; ISO/IEC 11801, 2nd ed. Category 6 Compliant

Freq. (MHz)	Ins. loss (dB/100m)	NEXT loss (dB)	PSNEXT loss (dB)	ACR (dB)	PSACR (dB)	ELFEXT (dB)	PSELFEXT (dB)	Return Loss (dB)
1	2.1	82.5	80.5	80.5	78.5	76.0	73.0	20.2
4	3.8	73.5	71.5	69.8	67.8	64.0	61.0	24.2
8	5.3	69.0	67.0	63.8	61.8	57.9	54.9	26.7
10	5.9	67.5	65.5	61.7	59.7	56.0	53.0	25.2
16	7.4	64.4	62.4	57.1	55.1	51.9	48.9	25.2
31.25	10.5	60.1	58.1	49.7	47.7	46.1	43.1	24.8
62.5	15.0	55.6	53.6	40.6	38.6	40.1	37.1	22.7
100	19.3	52.5	50.5	33.3	31.3	36.0	33.0	22.3
155	24.5	49.6	47.6	25.2	23.2	32.2	29.2	20.9
200	28.2	48.0	46.0	19.9	17.9	30.0	27.0	20.2
250	32.0	46.5	44.5	14.7	12.7	28.0	25.0	19.8
300*	35.4	45.3	43.3	-	-	26.5	23.5	19.5
350*	38.7	44.3	42.3	-	-	25.1	22.1	19.2
400*	41.8	43.5	41.5	-	-	24.0	21.0	18.7
500*	45.6	42.0	41.0	-	-	22.0	19.0	18.2
550*	47.6	41.3	40.4	-	-	21.1	18.8	18.1
600*	49.0	40.6	39.1	-	-	20.7	18.4	17.8
650*	49.5	40.0	38.6	-	-	20.1	18.1	17.5
750*	56.2	39.1	37.9	-	-	19.5	17.7	17.1

* Frequencies beyond the TIA and ISO requirements are for information only.



Hubbell Premise Wiring

HUBBELL INCORPORATED (Delaware)

14 Lord's Hill Road • Stonington, CT 06378-0901 • (860) 535-8326 • 800-626-0005

Fax: (860) 535-8328 • Internet site: <http://www.hubbell-premise.com>

Worldwide Locations

Hubbell Premise Wiring, Asia Pacific
Hubbell Canada Inc.
Hubbell Premise Wiring, Central America
Hubbell Premise Wiring, China
Hubbell Premise Wiring, Europe
Hubbell Premise Wiring, India
Hubbell Int'l. Inc., Korea Branch

852-2836-7131
905-839-1138
506-309-4158
86-21-6374 2660
44-01283 500500
91-99001-03341
(82 2) 2607 1363

Fax: 852-2836-7132
Fax: 905-839-9108
Fax: 506-260-1616
Fax: 86-21-6374 2799
Fax: 44-01283 500400
Fax: (82 2) 2603 7386

Hubbell Premise Wiring, Latin America
Hubbell de Mexico, S.A. de C.V.
Hubbell Premise Wiring, Middle East
Hubbell Premise Wiring, Puerto Rico
Hubbell-Taian Co., Ltd., Taiwan
Hubbell Premise Wiring, Venezuela

305-408-4501
(5255) 9151-9999
971-4-393-4192
787-855-1075
886-2-2522-1862
58-212-5156482

Fax: 305-408-8201
Fax: (5255) 9151-9989
Fax: 971-4-393-4194
Fax: 787-855-3265
Fax: 886-2-2522-1872
Fax: 58-212-6627258

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