



HUBBELL NextSpeed Link 6 Cable

Sweep Tested from 1-500 MHz
Guaranteed Headroom Over TIA
and ISO Category 6 Requirements
Small O.D. Allows More Cables
per Conduit/Pathway
Backward Compatible to
Category 5e, 5, and 3

SPECIFICATIONS

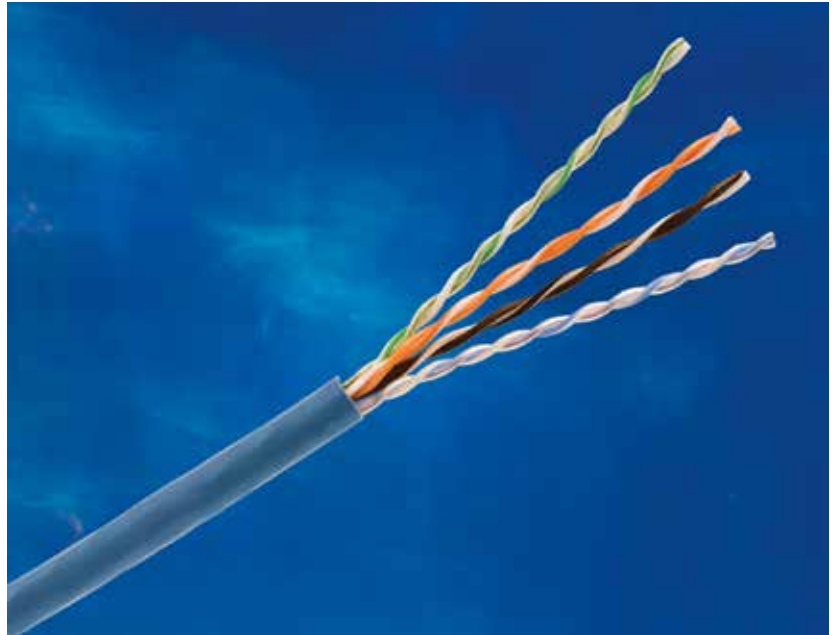
- ◆ **Conductor:** 23 AWG solid bare copper
- ◆ **Insulation:** CMP: FEP, CMR: Polyolefin
- ◆ **Pairing**
 - 1: Blue + White/Blue
 - 2: Orange + White/Orange
 - 3: Green + White/Green
 - 4: Brown + White/Brown
- ◆ **Cabling:** Four unshielded twisted pairs cabled around a star filler member
- ◆ **Jacket**
 - CMP: Low-Smoke PVC
 - CMR: PVC
- ◆ **NVP**
 - CMP: 70%
 - CMR: 68%

STANDARDS/VERIFICATIONS

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

APPLICATIONS

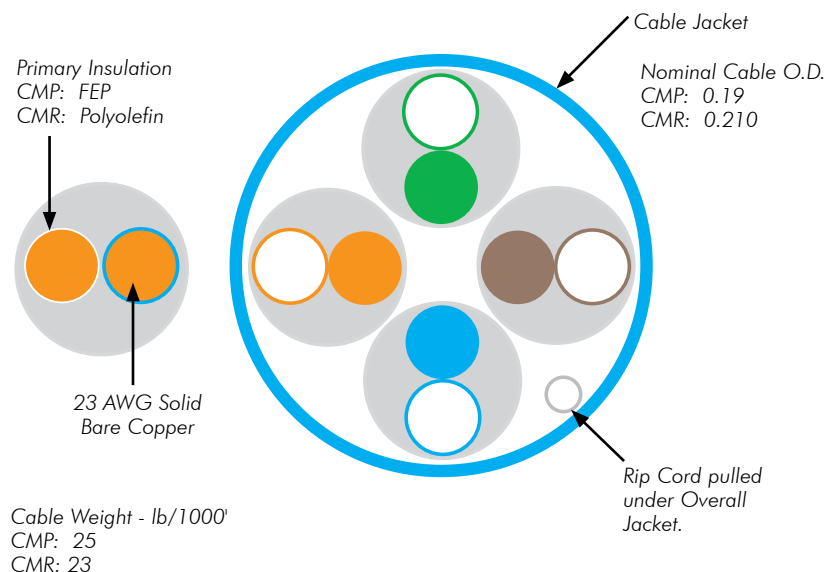
- ▲ Ethernet: 10/100/1000BASE-T, 10GBASE-T (55m)
- ▲ Data centers: Multi-Gigabit between devices
 - Server to server
 - Server to storage
 - Server to switch
- ▲ PoE applications
- ▲ Bandwidth intense processing:
 - High-resolution 3D modeling
 - On-line document publishing
 - Real-time video to the desktop
 - Broadband video
 - Digital video



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

Configure Hubbell Premise Wiring's component compliant, high-performance **NEXTSPEED®** connectivity (jacks, panels, cords, blocks) with **NEXTSPEED®** Link 6 cable and the result is a cabling solution which provides optimum electrical performance capabilities of handling critical, high-bandwidth applications.

CABLE FEATURES



ORDERING INFORMATION

NEXTSPEED® Link 6, 4-Pair, UTP Cable

REELEX* Catalog No.

Color	Riser	Plenum
Blue	C6RREB	C6RPEB
Gray	C6RREGY	C6RPEGY
White	C6RREW	C6RPEW
Yellow	C6RREY	C6RPEY

* REELEX is licensed and patented by Windings Inc.

RELATED PRODUCTS

NEXTSPEED® Jacks, Category 6

Order Information

Catalog No. **HXJ6XX****XX** = Color:**BK**' = Black;**B**' = Blue;**EL**' = Electric Ivory;**GL**' = Gold;**GY**' = Gray;**GN**' = Green;**OW**' = Office White;**OR**' = Orange;**P**' = Purple;**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-C.2 Category 6 Compliant; ISO/IEC 11801, 2nd ed. Category 6 Compliant

Freq. (MHz)	Ins. loss (dB/100m)	NEXT (dB/100m)	PSNEXT (dB/100m)	ACR (dB)	PSACR (dB)	ELFEXT (dB)	PSELFEXT (dB)	Return loss (dB)
1	2.2	74.4	72.5	72.2	70.4	67.9	64.9	20.2
4	3.9	65.5	63.4	61.7	59.7	52.7	52.9	23.2
8	5.4	60.8	58.7	55.4	53.2	46.8	46.8	24.6
10	6.2	59.5	57.5	53.4	51.5	44.9	44.9	25.2
16	7.7	56.3	54.4	48.7	46.7	40.5	40.6	25.1
31.25	10.8	51.7	50.0	41.3	39.3	34.8	34.8	23.7
62.5	15.6	47.5	45.5	32.2	30.2	28.9	28.8	21.6
100	19.7	44.5	42.4	24.4	22.6	24.9	24.9	20.2
200	29.2	39.9	37.8	10.7	8.9	18.9	18.8	18.1
250	32.7	38.5	36.4	5.7	3.6	16.9	16.9	17.4
300*	36.5	37.0	35.3	-	-	15.2	15.4	16.9
350*	39.6	36.2	34.2	-	-	13.8	13.8	16.4
400*	43.1	36.5	33.5	-	-	12.9	12.9	15.8
500*	48.8	33.9	31.7	-	-	10.9	10.9	15.1
555*	52.2	33.2	31.2	-	-	9.8	10.0	14.8

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

HUBBELL®
Premise Wiring

www.hubbell-premise.com

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