



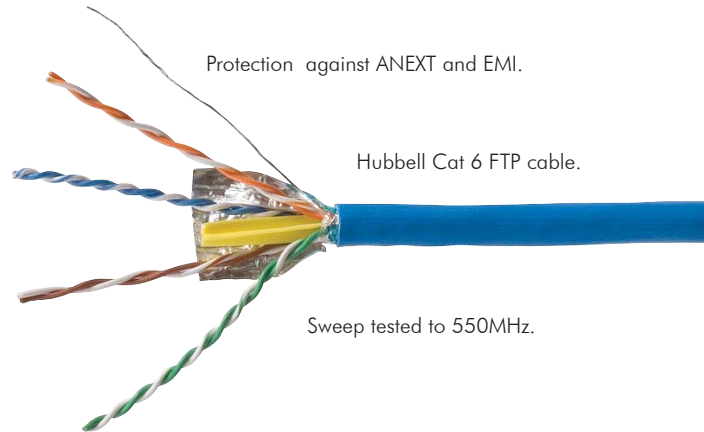
HUBBELL NextSpeed FTP Cable, Category 6/10GbE

Category 6 Channel Compliant 10GbE Application Assurance.

Maximum Bandwidth Beyond 500MHz.

ANEXT Component Compliant.

PoE and PoE+ Ready.



SPECIFICATIONS

- ◆ Conductor: 24 AWG Solid Bare Copper
- ◆ Insulation: CMP: FEP, CMR: Polyolefin
- ◆ Pairing: 1: ORN + WHT/ORN
2: BLU + WHT/BLU
3: GRN + WHT/GRN
4: BRN + WHT/BRN
- ◆ Cabling: four twisted pairs around a star filler, wrapped with a polyester foil tape
- ◆ Jacket CMP: Low smoke PVC
CMR: PVC

STANDARDS/VERIFICATIONS

- TIA/EIA-568-B.2.
- TIA/EIA-568-B.2-10 Draft Category 6A.
- IEEE 802.3af PoE.
- IEEE 802.3an 10GBASE-T Ethernet.
- UL Listed ISO/IEC 11801 and EN50173.
- IEC 60603-7-5.

APPLICATIONS SUPPORTED

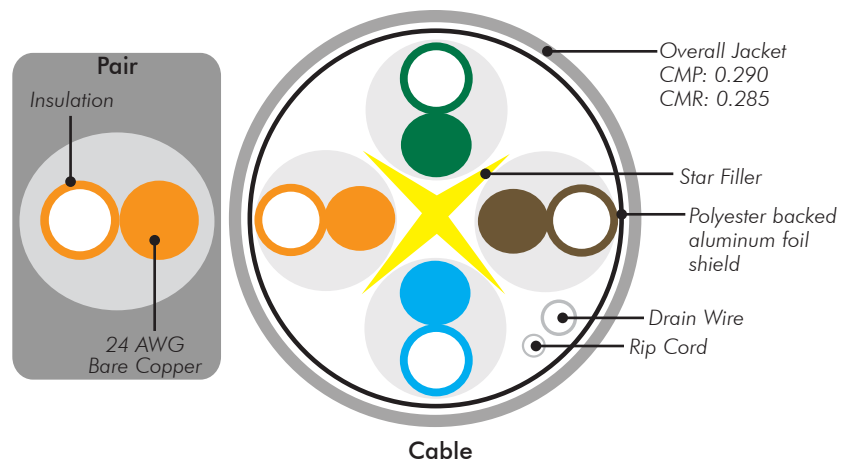
- ▲ Government
 - Machinery
 - RF Equipment
- ▲ Medical - Health Care
 - X-Ray
 - MRI
 - Monitoring Equipment
 - High Power Areas
- ▲ Financial
 - Multiple Video Feeds
 - Electronic Security
- ▲ Entertainment - Gaming Industry
 - Theme Parks
 - High Power Areas
- ▲ Higher Education
 - Laboratories
 - Engineering
 - Science
 - High Power Areas
 - Entertainment Facilities
- ▲ Industrial – Manufacturing
 - Processing

Hubbell's **NEXTSPEED**® Shielded 10GbE system is a tuned system of structured cabling components designed and center balanced to work together to deliver true standards compliant 10 Gigabit Ethernet transmission over 100 meters. **NEXTSPEED**® Shielded 10GbE system provides headroom beyond 500MHz, and provides the protection against ANEXT and EMI.

NEXTSPEED® Category 6/10GbE FTP cable has been finely tuned to work with Hubbell's SJ6 jacks and PS6 patch cords to deliver maximum category 6/10GbE channel performance. **NEXTSPEED**® Category 6/10GbE FTP cable is constructed with polyester backed aluminum foil shield, which protects the twisted pairs from ANEXT and EMI.

NEXTSPEED® Category 6/10GbE FTP cable is round with a .290 O.D. The round construction and smaller O.D. provides an advantage over Category 6A UTP allowing increased pathway capacity inside standard conduit, raceways and cable organizers.

CABLE FEATURES



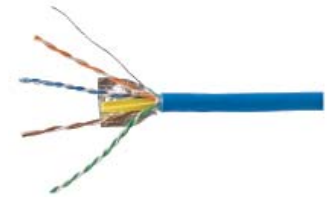
ORDERING INFORMATION

NEXTSPEED® FTP Cable, Category 6/10GbE

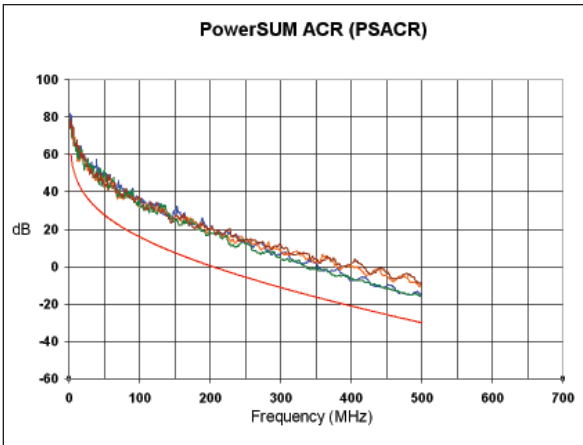
NEXTSPEED® Category 6/10GbE FTP cable has been finely tuned to work with Hubbell's SJ6 jacks and PS6 patch cords to deliver maximum Category 6/10GbE channel performance. NEXTSPEED® Category 6/10GbE FTP cable is constructed with polyester backed aluminum foil shield, which protects the twisted pairs from ANEXT and EMI.

1000' Length

Color	Plenum Catalog No.	Riser Catalog No.
Blue	C6FTSPB	C6FTSRB
Gray	C6FTSPGY	C6FTSRGY
White	C6FTSPW	C6FTSRW
Yellow	C6FTSPY	C6FTSRY



TRANSMISSION SPECIFICATIONS - Worst Case



Electrical Characteristics

- ◆ Input impedance: 100 ± 15 (0.772 to 250MHz)
- ◆ Maximum capacitance unbalance: 330 pF / 100 meters
- ◆ Maximum delay skew: 45 ns/100 meters
- ◆ Nominal velocity of propagation (NVP): CMP - 70%
CMR - 68%

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	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23.0
8	5.3	60.8	58.8	55.5	53.5	49.7	46.7	24.5
10	6.0	59.3	57.3	53.3	51.3	47.8	44.8	25.0
16	7.6	56.2	54.2	48.6	46.6	43.7	40.7	25.0
31.25	10.7	51.9	49.9	41.2	39.2	37.9	34.9	23.6
62.5	15.4	47.4	45.4	32.0	30.0	31.9	28.9	21.5
100	19.8	44.3	42.3	24.5	22.5	27.8	24.8	20.1
200	29.0	39.8	37.8	10.8	8.8	21.8	18.8	18.0
250	32.8	38.3	36.3	5.5	3.5	19.8	16.8	17.3
350*	39.8	36.1	34.1	-	-	16.9	13.9	16.3
555*	52.0	33.1	31.1	-	-	12.9	9.9	14.9

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

ACCESSORIES

NEXTSPEED® Shielded Jacks, Category 6/10GbE

The NEXTSPEED® Category 6/10GbE jack is designed to deliver reliability and consistency with its inversely oriented right-angled IDC contacts. The mechanical die-cast construction provides durability and EMI protection needed for shielded installations.

Pkg.	Qty	Wiring	Catalog No.
	2	B	SJ62B
	2	A	SJ62A
	24	B	SJ624B
	24	A	SJ624A



NEXTSPEED® Shielded Patch Panels

Hubbell's NEXTSPEED® PSJ24 19" panels are a 1-rack unit 24-port high-density unloaded patch panel.

Ports	Height	Catalog No.
24	1 Rack Unit	PSJ24



*Note: Order jacks separately. See catalog details above.

NEXTSPEED® Shielded Patch Cords, Category 6/10GbE

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.



Description	Catalog No.
Shielded Patch Cord, Category 6/10GbE, B-wired	PS6XXXX

XX=Length; **03**=3', **05**=5', **07**=7', **10**=10', **15**=15', **20**=20', **25**=25'.

XX=Color; **B**=Blue, **GY**=Gray



Hubbell Premise Wiring

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