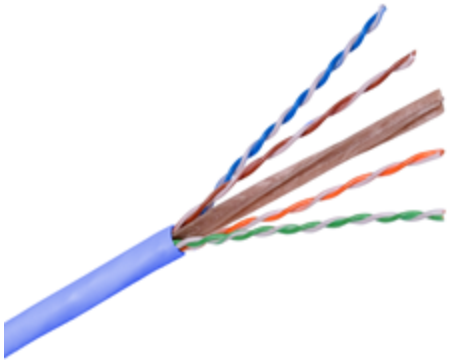
Cable
UTP Cables

NEXTSPEED®Category 6E Enhanced UTP Cable

Features

- Sweep Tested from 1-750MHz
- Guaranteed Headroom Over TIA and ISO Category 6
- Reverse Sequential Numbering
- Backward Compatible to Category 6, 5e, 5, and 3



Ordering Information

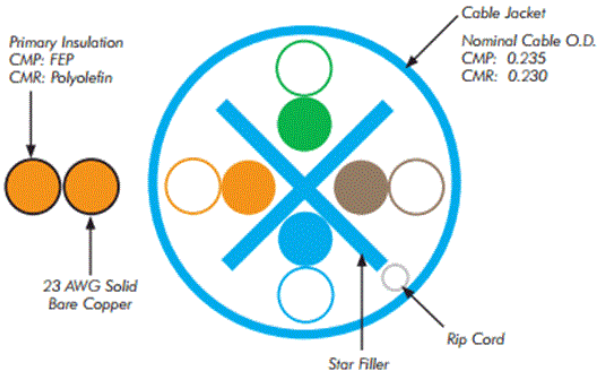
Description	Color	Catalog Number	UPC Number
NEXTSPEED®Category 6E Enhanced UTP Cable, Riser, Spool	Blue	**C6ESRB**	662620201771

Listings

ANSI/TIA/EIA-568-C.2 (Category 6 Component)
UL Listed and Tested
NEC Article 800 Compliant
UL Verified Performance

Specifications

Wire	23 AWG Bare Solid Copper
Primary Insulation	CMP: FEP
Primary Insulation	CMR: Polyolefin
Cabling	4 Unshielded Twisted Pairs
Outer Jacket	Low Smoke PVC
Inner Jacket	PVC



Performance

Verifications	IEEE 802.3af (PoE)

Applications

Data Centers: Multi Gigabit Between Devices
PoE Applications
Bandwidth Intense Processing

Accessories

NEXTSPEED Jacks, Category 6	**HXJ6B**
NEXTSPEED Patch Panel, Category 6	**P6Exx (xx=Ports)**
NEXTSPEED Patch Cords, Category 6	**PCXB* (*=Standard Length)**

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.