

Cable

UTP Cables

NextPower Catrgory 5E 4PPoE



Features

- 100W of Power and 1 Gigabit Ethernet Performance
- Tested 350 MHz
- PoE and PoE+ Ready
- Cable-id Alpha Numeric Code Printed
- Guaranteed 0.3 dB headroom for IL, ACR and PSACR

Ordering Information

Description	Color	Catalog Number	UPC Number
NextPower Category 5E 4PPoE, 4-Pair, UTP Cable	White	C5ELPPW	662620619620

Listings

ANSI/TIA-568-C.2 (CATEGORY 5E 4PPoE)
 UL Listed
 UL Verified
 IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (4PPoE)

Specifications

Wire	22 AWG Solid Annealed Copper
Primary Insulation	CMP:FEP
Primary Insulation	CMR Polyolefin
Cabling	4 Unshielded Twisted Pairs
Outer Jacket	Flame Retardant, Low Smoke PVC

Performance

Installation Temperature	(-40C to +75C (-40F to +167F))
Operation Temperature	(-20C to +75C (-4F to +167F))

Applications

4PPoE – IEEE 802.3bt Type 3 and 4 draft D1.2
 HDBaseT Class A and B
 PoE Applications

Accessories

SPEEDGAIN Jacks, Category 5e	HXJ5E Series
SPEEDGAIN Patch Panel, Category 5e	HP5Exx (xx=Ports)
SPEEDGAIN Patch Cords, Category 5E	HC5Exxyy (xx = color, yy = length in feet)

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)	Returns 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.



CABLE FEATURES

