Cable

UTP Cables
NextPower Catrgory 5E 4PPoE

HUBBELL

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

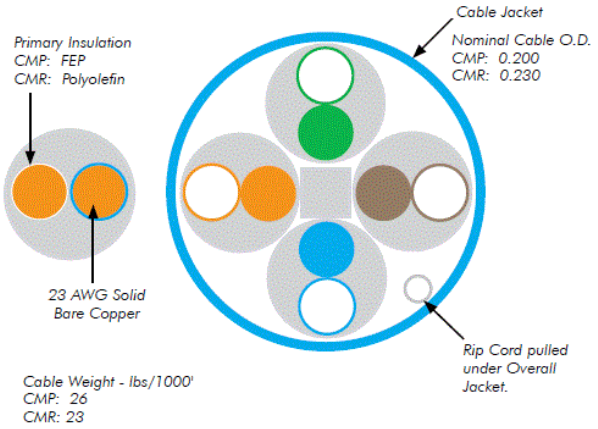
Description	Color	Catalog Number	UPC Number
NextPower Category 5E 4PPoE, 4-Pair, UTP Cable	Yellow	**C5ELPRY**	662620619675

Listings

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

Specifications

Wire	22 AWG Solid Annealed Copper
Primary Insulation	CMP:FEP
Primary Insulation	CMR Polyolefin
Cabling	4 Unshielded Twisted Pairs
Outer Jacket	Flame Retardant 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-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.