

**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	Violet	C5ELPPV	662620619644

**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, Low Smoke PVC

**Performance**

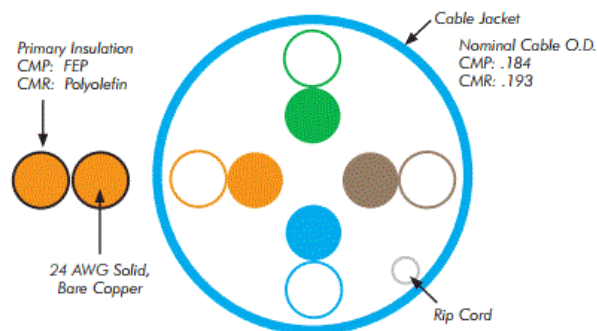
Installation Temperature	(-40C to +75C (-40F to +167F))
Operation Temperature	(-20C to +75C (-4F to +167F))

**Applications**

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

**Accessories**

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



**TRANSMISSION SPECIFICATIONS - Worst Case**

TIA/EIA-568-B.2 Category 5e Compliant;  
 ISO/IEC 11801, 2nd ed.

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	71.5	68.5	69.5	66.5	70.0	67.0	20.2
4	4.2	62.5	59.5	58.4	55.4	58.0	55.0	23.2
8	5.9	58.0	55.0	52.2	49.2	51.9	48.9	24.7
10	6.6	56.5	53.5	50.0	47.0	50.1	47.0	25.2
16	8.3	53.4	50.4	45.2	42.2	45.9	42.9	25.2
31.25	11.8	49.1	46.1	37.4	34.4	40.1	37.1	23.8
62.5	17.1	44.6	41.6	27.6	24.6	34.1	31.0	21.7
100	22.1	41.5	38.5	19.5	16.5	30.0	27.0	20.3
250*	32.0	37.8	35.7	-	-	21.7	18.9	18.1
350*	46.0	33.3	30.3	-	-	19.1	16.1	16.5
400*	47.9	32.5	29.5	-	-	18.0	15.0	16.1

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