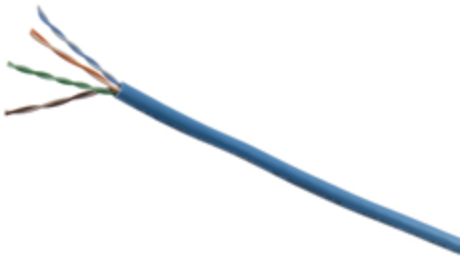
Cable

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	Blue	**C5ELPPB**	662620619613

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

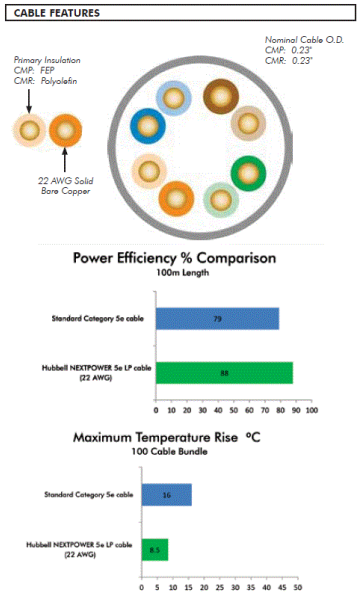
Installation Temperature	(-40C to +75C (-40F to +167F))
Operation Temperature	(-20C to +75C (-4F to +167F))

Applications

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

Accessories

SPEEDGAIN Jacks, Category 5e	**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 100 meter Channel Configuration

TIA-568-B.2-10 Category 6A Compliant
ISO/IEC 11801, 2nd Ed. Category 6A Compliant

Freq. (MHz)	Insertion Loss (dB/100m)	NEXT Loss Min. (dB/100m)	PSNEXT Loss Min. (dB/100m)	ELFEXT Min. (dB/100m)	PSELFEXT Min. (dB/100m)	Return Loss Min. (dB/100m)	Delay Max. (ns/100m)
0.772	-	84.0	82.0	78.0	75.0	-	-
1.0	2.0	82.3	80.3	75.8	72.8	20.0	570
4.0	3.7	73.3	71.3	63.8	60.8	23.0	552
8.0	5.2	68.8	66.8	57.7	54.7	24.5	547
10.0	5.8	67.3	65.3	55.8	52.8	25.0	545
16.0	7.3	64.2	62.2	51.7	48.7	25.0	543
20.0	8.2	62.8	60.8	49.8	46.8	25.0	542
25.0	9.2	61.3	59.3	47.8	44.8	24.3	541
31.25	10.4	59.9	57.9	45.9	42.9	23.6	540
62.5	14.9	55.4	53.4	39.9	36.9	21.5	539
100.0	19.2	52.3	50.3	35.8	32.8	20.1	538
200.0	28.1	47.8	45.8	29.8	26.8	18.0	537
300.0	35.3	45.1	43.1	26.3	23.3	16.8	536
400.0	41.7	43.3	41.3	23.8	20.8	15.9	536
500.0	47.5	41.8	39.8	21.8	18.8	15.2	536