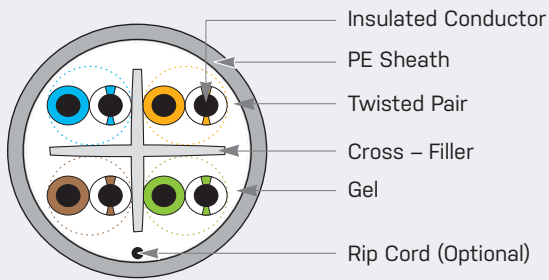


# Category 6+ 550MHz UTP Gel | Outdoor

U6PE550-004-OBK4



## Description

- Ideal for voice, data, video, and security communications for outdoor applications
- Tight balance requirements improve cable performance
- Every master reel is tested for electrical performance compliance
- Dual length marking in feet and meters from 1000 ft (305 m) to 0 ft (0 m)

## Application

- Backbone Cabling
- Outdoor Cabling (Irrigation, Sprinkler & Tracer, Underground & Landscape Lighting, etc.)
- Fire Alarm & Signal
- Audio & Speaker
- 155 Mbps ATM, 100 Mbps TP-PMD
- 10/100/1000 BASE-T (IEEE 802.3)
- ISDN, ADSL

## Part Number

JACKET COLOR	DESCRIPTION
Black	Category 6+ UTP Outdoor Cable, 4-Pair, PE U6PE550-004-OBK4

## Performance Characteristics

Meet or exceed TIA-568-C.2 Category 6 requirements

FREQUENCY <sup>2</sup> (MHZ)	RETURN LOSS (RL) MINIMUM DB/100 M		INSERTION LOSS (ATTENUATION) MAXIMUM DB/100 M	
	TIA-568-C.2 Standard	U6PE550 Outdoor Typical	TIA-568-C.2 Standard	U6PE550 Outdoor Typical
1	20.0	36.2	2.0	1.7
4	23.0	35.9	3.8	3.3
8	24.5	37.9	5.5	4.6
10	25.0	38.3	6.0	5.2
16	25.0	34.8	7.6	6.6
20	25.0	37.2	8.5	7.3
25	24.3	29.5	9.5	8.3
31.25	23.6	33.8	10.7	9.2
62.5	21.5	33.7	15.4	13.3
100	20.1	32.8	19.8	16.9
200	18.0	30.6	29.0	24.4
250	17.3	33.6	32.8	27.6
300		30.0		30.8
400		24.7		35.9
500		22.1		41.0

FREQUENCY <sup>2</sup> (MHZ)	NEAR END CROSS TALK (NEXT) MINIMUM DB/100 M		EQUAL LEVEL FAR END CROSS TALK (ELFEXT) MINIMUM DB/100 M	
	TIA-568-C.2 Standard	U6PE550 Outdoor Typical	TIA-568-C.2 Standard	U6PE550 Outdoor Typical
1	74.3	92.0	67.8	83.2
4	65.3	80.5	55.8	74.0
8	60.8	80.5	49.7	68.4
10	59.3	69.7	47.8	66.6
16	56.2	73.2	43.7	64.5
20	54.8	72.1	41.8	58.7
25	53.3	71.1	39.8	63.1
31.25	51.9	68.6	37.9	59.1
62.5	47.4	65.1	31.9	50.1
100	44.3	63.0	27.8	44.1
200	39.8	59.5	21.8	41.4
250	38.3	56.3	19.8	38.8
300		57.9		33.1
400		49.8		30.6
500		47.0		28.8

<sup>2</sup>Value above 250Mhz are for informational purposes only

## Technical Details

ITEM	UNIT	OUTDOOR
Conductor DC Resistance	Max. Ohms/100 m	≤ 9.38
Resistance Unbalance	Max. %	≤ 5
Mutual Capacitance	Max. nF/100 m	≤ 5.6
Capacitance Unbalance	Max. pF/100 m	≤ 330
Delay Skew	Max. ns	≤ 45
Nominal Velocity of Propagation	%	67
Operating Temperature	°F (°C)	-4 to +140 (-20 to +60)
Storage Temperature	°F (°C)	-4 to +176 (-20 to +80)
Bending Radius		4 x Cable diameter
Packaging:	Type	1 kft (305 m) Reel
	Weight	lb/kft (kg/km) 26 (39)
	Packages Per Pallet	27
Materials:	Conductors	23 AWG, Solid copper
	Insulation	in (mm) 0.047 (1.025), PP
	Jacket	in (mm) 0.266 (6.6), PE
Approvals:	Performance	TIA-568-C.2 "Balanced Twisted-Pair Telecommunications Cabling and Components Standards"