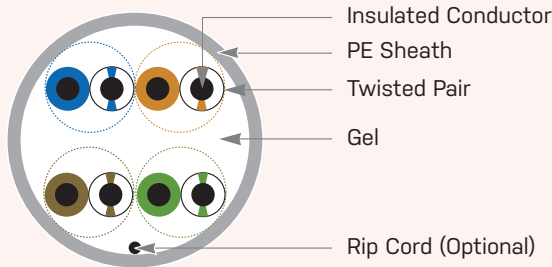


Category 5e 350MHz UTP Gel | Outdoor

U5PE350-004-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)
- 10GBASE-T up to max. 55 m
- ISDN, ADSL

Part Numbers

JACKET COLOR	DESCRIPTION
Black	Enhanced Category 5e UTP Outdoor Cable, 4-Pair, PE U5PE350-004-OBK4

Performance Characteristics

Meet or exceed TIA-568-C.2 Category 5e requirements

FREQUENCY ³ (MHZ)	RETURN LOSS (RL) MINIMUM DB/100 M		INSERTION LOSS (ATTENUATION) MAXIMUM DB/100 M	
	TIA-568-C.2 Standard	U5PE350 Outdoor Typical	TIA-568-C.2 Standard	U5PE350 Outdoor Typical
1	20.0	34.4	2.0	1.9
4	23.0	36.2	4.1	3.6
8	24.5	35.9	5.8	5.2
10	25.0	38.0	6.5	5.8
16	25.0	38.1	8.2	7.4
20	25.0	39.9	9.3	8.2
25	24.3	32.5	10.4	9.3
31.25	23.6	37.4	11.7	10.4
62.5	21.5	33.6	17.0	14.9
100	20.1	38.8	22.0	19.0
155		35.3		24.1
200		38.1		27.6
350		31.4		35.5

FREQUENCY ³ (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	U5PE350 Outdoor Typical	TIA-568-C.2 Standard	U5PE350 Outdoor Typical
1	65.3	84.2	63.8	82.4
4	56.3	73.1	51.8	73.6
8	51.8	69.7	45.7	67.3
10	50.3	70.0	43.8	65.3
16	47.2	68.9	39.7	60.7
20	45.8	65.8	37.8	58.4
25	44.3	65.8	35.8	55.5
31.25	42.9	62.0	33.9	55.4
62.5	38.4	53.0	27.9	44.7
100	35.3	52.4	23.8	40.0
155		46.5		35.0
200		45.8		35.5
350		41.9		30.8

³Value above 100Mhz are for informational purposes only

Technical Details

ITEM	UNIT	OUTDOOR	
Conductor DC Resistance	Ohms/100 m	≤ 9.38	
Resistance Unbalance	%	≤ 5	
Mutual Capacitance	nF/100 m	≤ 5.6	
Capacitance Unbalance	pF/100 m	≤ 330	
Delay Skew	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)	
	Weight	lb/kft (kg/km)	Reel
	Packages Per Pallet		20 (30)
Materials:		27	
	Conductors		24 AWG, Solid copper
	Insulation	in (mm)	0.031 (0.925), PP
Approvals:	Jacket	in (mm)	0.219 (5.6), PE
	Safety		UL 444, UL 1666
	Performance		ANSI/TIA-568-C.2 "Balanced Twisted-Pair Telecommunications Cabling and Components Standards"