

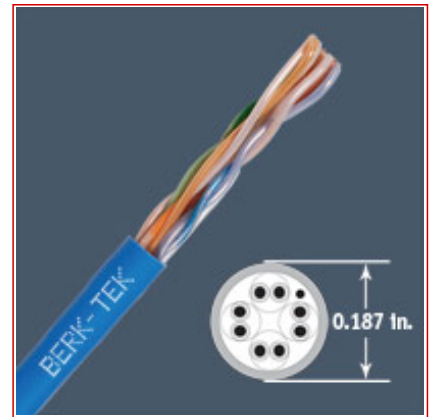
**Contact**

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**5888**

Berk-Tek's LANmark-350 Premium Category 5e UTP cables are designed to meet the most advanced UTP horizontal cable applications. Tested up to 350 MHz, the guaranteed performance of this cable far exceeds the ANSI/TIA/EIA-568-B.2 and ISO/IEC 11801 horizontal cable requirements for PS-NEXT, attenuation, structural return loss, attenuation-to-crosstalk ratio (ACR) and impedance, making it ideal for high-end transmission links supporting today's networking protocols.

**Description**



**Standards**

**National TIA/EIA-568-B.2**

**5888**

Technical Data - Physical

Technical Data - Physical			Color Code			
Conductor			24 AWG Bare Copper	Pair-1	White/Blue	Blue
Conductor diameter—in. (mm)			0.02 (0.52)	Pair-2	White/Orange	Orange
Insulated Conductor Diameter- in. (mm)			0.036 (0.91)	Pair-3	White/Green	Green
Cable diameter—in. (mm)			0.187 (4.8)	Pair-4	White/Brown	Brown
Nominal cable weight—lb./kft. (kg/km)			20 (30)	Temperature Rating		
Max. installation tension—lb. (N)			25 (110)	Installation	0°C to +50°C	
Min. bend radius—in. (mm)			1 (25.4)	Operation	-20°C to +75°C	

Technical Data - Parametric Measurements

Mutual Capacitance	4.4 nF/100 m nom.
DC resistance	9.38 Ohms/100 m max.
Skew	25 ns/100 m max.
Pair to ground Unbalance	330 pF/100 m max.
Velocity of Propagation	70% nom.
Input Impedance	100 ± 13% 0.772-100 MHz 100 ± [13+15log (F/100)] 100-350 MHz
DC Resistance Unbalance of a Pair	5% max.

Technical Data - Electrical Characteristics

FREQ	SRL		RL		INSERTION LOSS		PS-NEXT		NEXT	
	(dB)		(dB)		(dB/100m)		(dB)		(dB)	
MHz	min.	typical	min.	typical	max.	typical	min.	typical	min.	typical
1	25.5	44.7	20.0	38.2	2.0	1.7	68.3	82.7	70.3	89.1
4	25.5	44.9	23.3	36.0	4.0	3.5	59.9	73.3	61.9	81.9
10	25.5	47.7	25.0	39.0	6.4	5.6	53.3	65.9	55.3	75.1
20	25.5	45.9	25.5	47.5	9.2	8.1	48.8	60.6	50.8	66.3
31.25	24.4	55.3	24.4	43.0	11.6	10.1	45.9	59	47.9	65
62.5	22.7	41.6	22.7	39.5	16.8	14.6	41.4	55.7	43.4	62.1
100	21.5	37.3	21.5	35.5	21.7	18.7	38.3	51.4	40.3	57.5
200	19.8	43.1	19.8	46.5	32.1	27.2	33.8	47.7	35.8	53.2
300	18.8	36.1	18.8	35.7	40.5	33.9	31.2	45.2	33.2	53.4
350	18.4	35.4	18.4	35.0	44.4	36.9	30.2	42.2	32.2	48.8
400	18.1	38.0	18.1	34.4	48.0	39.6	29.3	39.4	31.3	45.6
450	17.8	34.7	17.8	34.5	51.5	42.4	28.5	36.2	30.5	43.4

Technical Data - Electrical Characteristics

FREQ	ACR		PS-ACR		ELFEXT		PS-ELFEXT	
	(dB@100m)		(dB@100m)		(dB)		(dB)	
MHz	min.	typical	min.	typical	min.	typical	min.	typical
1	68.3	83	66.3	80.8	66.8	86.2	63.8	77
4	57.3	71	55.3	69.6	54.7	73.2	42.7	64.8
10	48.9	61	46.9	59.8	46.8	65.5	44.8	57
20	41.6	55	39.6	52	40.7	60.8	38.7	51.5
31.25	36.3	50	34.3	48.1	36.9	56.6	34.9	47.8
62.5	26.6	42	24.6	40	30.8	50.5	28.8	42.1
100	18.6	33	16.6	31.2	26.8	45.5	24.8	38.5
200	3.7	21.2	1.7	18.4	20.7	44.7	17.7	37.4
300	—	9.6	—	8.3	17.2	38.1	14.2	31.9
350	—	4.9	—	1.9	15.9	36.4	12.9	30.6
400	—	-1.8	—	-4	14.7	33.4	11.7	27.5
450	—	-8.9	—	-10.6	13.7	36.7	10.7	28.3

IMPORTANT: Berk-Tek performance guarantees are based on swept-frequency testing and apply to all frequencies for the entire specified frequency range and are not limited to the table of data shown which are presented to demonstrate our guarantees at "representitive" frequencies. Values above 350 MHz are for engineering information. Limited combustible version also available. Other jacket colors available.

Selling delivery information

PLEASE NOTE: In the interest of product improvement, Berk-Tek, a Nexans company may make improvements or changes in the products, the programs or services described at any time without notice. Additionally, the information contained herein may include typographical errors or technical inaccuracies. Changes will be periodically made to address any such issues.