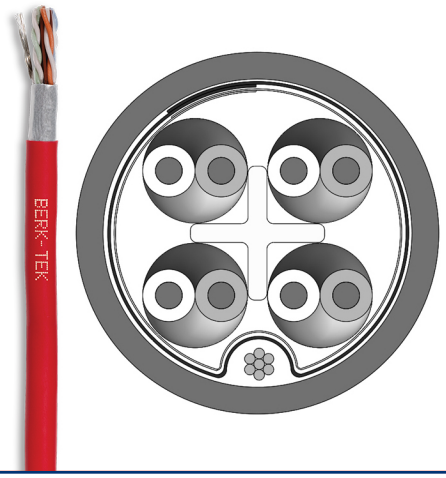
Berk-Tek LANmark-6 FTP Riser Category 6 F/UTP

Berk-Tek a LEVITON company



Berk-Tek LANmark-6 FTP is the first independently verified Category 6 F/UTP cable. It is ideal for applications that require the most advanced cable performance and the additional signal isolation advantages of an F/UTP design. LANmark-6 FTP is also the first FTP cable to set requirements for cable balance, the performance parameter which affects cable emissions and protects the network from the damaging effects of outside noise sources such as alien crosstalk.

DESCRIPTION

Berk-Tek LANmark-6 FTP, Performance Guaranteed

Your business demands continuous performance from your IT network, so our specifications aren't simply numbers on the page. They define the way that we do business. This means that you are ***guaranteed*** industry-leading performance and quality for all Berk-Tek products.

Some other manufacturers talk about "typical" values, at Berk-Tek, we hold ourselves to a higher standard. We won't talk about typicals, we talk about what is true, guaranteed, and independently verified.

Construction:

23 AWG, bare copper wire insulated with cellular polyethylene/skin. Two insulated conductors twisted together to form a pair and four pairs laid up to form the basic unit. The cable is shielded with an overall polyester/aluminum foil with a 26 AWG stranded tinned copper drain wire and jacketed in flame-retardant PVC.

Flame Rating:

- Riser; UL 1666, CMR
- UL Listed

Features:

- ETL verified to ANSI/TIA-568.2-D Category 6
- Can be used with RJ-45 style F/UTP connectivity
- RoHS Compliant

Benefits:

- Increased signal isolation prevents contaminant noise from entering cabling system
- Lower bit errors resulting in increased network performance

Country of Origin: USA

HDBT™ ASE

75°C

POE 100W 480

STANDARDS

International ISO/IEC 11801

National ANSI/TIA 568.2-D; UL 444

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Berk-Tek LANmark-6 FTP Riser Category 6 F/UTP

CHARACTERISTICS

Construction characteristics	
Type of cable	FTP
Dimensional characteristics	
Length per reel	1000.0 ft
Number of pairs	4
Usage characteristics	
Packaging	Reel
Field of application	Indoor
Category	Cat. 6
Fire safety	CMR - Riser Rated
Recommended installation temperature range	0 .. 50 °C
Recommended operating temperature range	-20 .. 75 °C

PRODUCT LIST

Part Number	Description	Colour
10070439	LANmark-6 FTP Riser	Grey
10074212	LANmark-6 FTP Riser	Black
10107572	LANmark-6 FTP Riser	Green
10074211	LANmark-6 FTP Riser	Red
10090687	LANmark-6 FTP Riser	Yellow
10107573	LANmark-6 FTP Riser	Brown
10122951	LANmark-6 FTP Riser	Blue
10122953	LANmark-6 FTP Riser	White
10189144	LANmark-6 FTP Riser	Orange
11085001	LANmark-6 FTP Riser	Violet

= Make to order, = In stock

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LANMARK-6 FTP RISER - TECHNICAL INFORMATION

Electrical Characteristics

FQ = Frequency (MHz) / TIA = TIA Spec / PG = Product Guarantee

	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	LCL/TCL
FQ	TIA / PG	TIA / PG	TIA / PG	TIA / PG	PG
1	20.00 / 20.00	74.30 / 74.30	72.30 / 72.30	67.80 / 67.80	40.00
4	23.00 / 23.00	65.30 / 65.30	63.30 / 63.30	55.80 / 55.70	40.00
10	25.00 / 25.00	59.30 / 59.30	57.30 / 57.30	47.80 / 47.80	40.00
16	25.00 / 25.00	56.20 / 56.30	54.20 / 54.30	43.70 / 43.70	38.00
20	25.00 / 25.00	54.80 / 54.80	41.80 / 52.80	41.80 / 41.70	37.00
31.25	23.60 / 23.60	51.90 / 51.90	49.90 / 49.90	37.90 / 37.90	35.10
62.5	21.50 / 21.50	47.40 / 47.40	45.40 / 45.40	31.90 / 31.80	32.00
100	20.10 / 20.10	44.30 / 44.30	42.30 / 42.30	27.80 / 27.80	30.00
150	18.90 / 18.90	41.70 / 41.70	39.70 / 39.70	24.30 / 24.30	28.20
200	18.00 / 18.00	39.80 / 39.80	37.80 / 37.80	21.80 / 21.70	27.00
250	17.30 / 17.30	38.30 / 38.30	36.30 / 36.30	19.80 / 19.80	26.00
300	— / 16.77*	— / 37.16*	— / 35.16*	— / —	25.20*
350	— / 16.30*	— / 36.20*	— / 34.20*	— / 16.90*	24.60*
400	— / 15.90*	— / 35.30*	— / 33.30*	— / 15.80*	24.00*
500	— / 15.20*	— / 33.80*	— / 31.80*	— / 13.80*	23.00*

	IL (dB/100 m)	ACR (dB/100 m)	PSACR (dB/100 m)	PSACRF (dB/100 m)	EL TCTL
FQ	TIA / PG	TIA / PG	TIA / PG	TIA / PG	PG
1	2.00 / 2.00	72.20 / 72.30	70.30 / 70.30	64.80 / 64.80	35.00
4	3.80 / 3.80	61.50 / 61.50	59.50 / 59.50	52.80 / 52.70	23.00
10	6.00 / 6.00	53.40 / 53.40	51.30 / 51.40	44.80 / 44.80	15.00
16	7.60 / 7.60	48.80 / 48.70	46.70 / 46.70	40.70 / 40.70	10.90
20	8.50 / 8.50	46.40 / 46.40	44.30 / 44.30	38.80 / 38.70	9.00
31.25	10.70 / 10.70	41.40 / 41.30	39.20 / 39.20	37.90 / 34.90	—
62.50	15.40 / 15.40	32.40 / 32.00	30.00 / 30.00	28.90 / 28.80	—
100	19.80 / 19.80	25.20 / 24.60	22.50 / 22.50	24.80 / 24.80	—
150	24.70 / 24.60	16.90 / 17.10	14.90 / 15.10	21.30 / 21.30	—
200	29.00 / 29.00	10.80 / 10.90	8.80 / 8.90	18.80 / 18.70	—
250	32.80 / 32.80	7.30 / 5.50	3.50 / 3.50	16.80 / 16.80	—
300	— / 36.43*	— / 0.73*	— / —	— / —	—
350	— / 39.80*	— / —	— / —	13.90 / 13.90*	—
400	— / 15.90*	— / —	— / —	— / 12.80*	—
500	— / 15.20*	— / —	— / —	— / 10.80*	—

*Values provided for reference only

Parametric Measurements

Description	
Mutual Capacitance	5.6 nF/100m max.
DC Resistance	9.38 Ohms/100m max.
Skew	45 ns/100m max.
Pair-to-Ground Unbalance	330 pF/100m max.
Velocity of Propagation	68% nom.
DC Resistance Unbalance	5% max.

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Color Code		
Pair-1	White/Blue	Blue
Pair-2	White/Orange	Orange
Pair-3	White/Green	Green
Pair-4	White/Brown	Brown

Supported Category 6 Applications		
Standard	**Application**	**Speed**
IEEE 802.3	1000BASE-T	1 Gb/s
ATM	155 Mb/s	155 Mb/s
CDDI		100 Mb/s
IEEE 802.3	100BASE-T	10 Mb/s
IEEE 802.3 af	PoE	1 GB/s
IEEE 802.3 at	PoE+, Type 1 & 2	1 Gb/s
IEEE 802.3 bt	PoE++, Type 3 & 4	1 Gb/s

Technical Data - Physical		
Conductor		23 AWG Bare Copper
Conductor Diameter - in. (mm)	0.022	(0.56)
Insulated Conductor Diameter - in. (mm)	0.045	(1.14)
Cable Diameter - in. (mm)	0.280	(7.11)
Nom. Cable Weight - lb./kft (kg/kft)	36	(16.33)
Max. Installation Tension - lb. (N)	25	(110)
Min. Bend Radius - in. (mm)	3.00	(76.20)

LANMARK-6 FTP RISER JACKET LEGEND

BERK-TEK LANMARK-6 FTP 23 AWG CMR 75C C(UL)US ETL VERIFIED TIA-568.2-D CAT 6 [ANY APPLICABLE PATENTS] [DATECODE] [SEQ#] FT

SELLING INFORMATION

PLEASE NOTE: In the interest of product improvement, Berk-Tek 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.

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