

Berk-Tek TekPatch Mini-6 28AWG Patch Cable

At 56% lighter, with a 40% smaller bend radius and 55% smaller cross-sectional area than standard CAT 6 patch cables, TekPatch Mini-6 patch cable simplifies routing and reduces crowding in racks and pathways. TekPatch Mini-6 is the industry's smallest and lightest patch cable available capable of creating Category 6 compliant patch cords of up to 6 meters in length to be used in combination with a 90 meter horizontal channel segment. Patch cords of even greater length can be built, but must be used in combination with shorter horizontal cable lengths.

DESCRIPTION

Construction

28 AWG, stranded tinned copper wire insulated with polyethylene. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit, jacketed with flame-retardant PVC.

Standards

North American: UL 444 and C22.2 No. 214-02

International: EU Directive 2006/2/96/EC (Low Voltage) and EU Directive 2011/65/EU (RoHS)

Flame Rating

C(UL)US Listed as NEC Type CMR 75C

Features

- Industry-leading OD of 0.150" for a 55% smaller cross-sectional area
- Small bend radius of 0.60"
- 56% lighter than standard CAT 6 patch cable

Benefits

- Small diameter provides for optimal routing within tight racks and cabinets
- Optimized airflow
- Light weight
- Extremely flexible

Country of Origin: USA



STANDARDS

National UL 444

Berk-Tek TekPatch Mini-6 28AWG Patch Cable

CHARACTERISTICS

Construction characteristics

Type of cable UTP

Dimensional characteristics

Length per reel 1000.0 ft

Number of pairs 4

Usage characteristics

Packaging Reel

Field of application Indoor

Usage characteristics

Category Cat. 6

Fire safety CM

PRODUCT LIST

Part Number	Description	Colour
☎ 11076605	TekPatch Mini-6 28AWG Patch Cable	White
☎ 11079299	TekPatch Mini-6 28AWG Patch Cable	Orange
☎ 11078766	TekPatch Mini-6 28AWG Patch Cable	Blue
☎ 11082774	TekPatch Mini-6 28AWG Patch Cable	Black
☎ 11082775	TekPatch Mini-6 28AWG Patch Cable	Grey
☎ 11082776	TekPatch Mini-6 28AWG Patch Cable	Green
☎ 11082777	TekPatch Mini-6 28AWG Patch Cable	Pink
☎ 11082778	TekPatch Mini-6 28AWG Patch Cable	Red
☎ 11082779	TekPatch Mini-6 28AWG Patch Cable	Violet
☎ 11082780	TekPatch Mini-6 28AWG Patch Cable	Yellow

☎ = Make to order, 📦 = In stock

TECHNICAL DATA - PHYSICAL

Technical Data - Physical			Color Code		
			Pair-1	White/Blue	Blue
Conductor	28 AWG Stranded Tinned Copper		Pair-2	White/Orange	Orange
Conductor diameter—in. (mm)	0.015	(0.381)	Pair-3	White/Green	Green
Insulated Conductor Diameter- in. (mm)	0.025	(0.635)	Pair-4	White/Brown	Brown
Cable diameter—in. (mm)	0.150	(3.81)	Temperature Rating		
Nominal cable weight—lb./kft. (kg/kft)	12	(5.44)			
Max. installation tension—lb. (N)	7.87	(35)	Installation	0°C to +50°C	
Min. bend radius—in. (mm)	0.60	(15.24)	Operation	-20°C to +70°C	

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TECHNICAL DATA - ELECTRICAL

FREQ MHz	RL (dB)	IL (dB/100m)	PS-NEXT (dB)	NEXT (dB)	PS-ACR (dB)	ACR-F (dB)	PS-ACRF (dB)	LCL/TCL (dB)	EL TCTL (dB)
	min.	max.	min.	min.	min.	min.	min.	min.	min.
1	20.0	3.8	72.3	74.3	68.5	67.8	64.8	40.0	35.0
4	23.0	7.2	63.3	65.3	56.1	55.7	52.7	40.0	23.0
10	25.0	11.3	57.3	59.3	46.0	47.8	44.8	40.0	15.0
16	25.0	14.4	54.3	56.3	39.9	43.7	40.7	38.0	10.9
20	25.0	16.1	52.8	54.8	36.7	41.7	38.7	37.0	9.0
31.25	23.3	20.3	49.9	51.9	29.6	37.9	34.9	35.1	—
62.5	20.7	29.2	45.4	47.4	16.1	31.8	28.8	32.0	—
100	19.0	37.6	42.3	44.3	4.7	27.8	24.8	30.0	—
250	15.6	62.4	36.3	38.3	—	19.8	16.8	26.0	—

PARAMETRIC MEASUREMENTS

Mutual Capacitance	5.2 nF/100 m at 1 KHz
DC resistance	23.2 ohm/100m
Skew	45 ns/100 m maximum
Pair to ground Unbalance at 1kHz	330 pF/100 m
Velocity of Propagation	70% nom.
Input Impedance	1-100 MHz, 100 ohm ± 15% 100-250 MHz, 100 ohm ± 22%
DC Resistance Unbalance:	5% max., 1% nom.

TEKPATCH MINI-6 JACKET LEGEND

BERK-TEK TEKPATCH MINI 6 28 AWG STRANDED CMR 75C C(UL)US [ANY APPLICABLE PATENTS] [DATE]
[COUNTER] {END} (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.