

Product Data Sheet

Slim-Net 28-AWG CAT6 and CAT6A Ethernet Patch Cable



Overview

- Save space in crowded telecom rooms and data centers.
- 28 AWG cable is nearly half the diameter of 24-AWG cable.
- Reduce clutter in high-density cabinets and racks.
- Guaranteed for life!

Features

- CAT6 cable tested up to 250 MHz
- CAT6A cable tested up to 500 MHz
- CAT6 and CAT6A cable each available in seven colors (blue, black, gray, green, yellow, red, white) with 01, 02, 03, 04, 05, 07, and 10-foot lengths.
- Smaller diameter means easier cable handling.
- Improve cable management.
- Improve air flow.
- Strain-relief boot with tab protects cables.

General Specifications: CAT6 or CAT6A Slim-Net Cable

Approvals	UL® E196163
Physical Specifications	
Conductor Gauge	28 AWG, stranded bare copper
Outer Diameter	0.161" (4.1 mm)
Jacket	PVC, CM
Insulation	HDPE

Slim-Net CAT6 and CAT6A Patch Cable Data Sheet

Electrical Performance Specifications: CAT6 Slim-Net Cable

ACR	100 MHz: 24.4 dB/100 m; 250 MHz: 5.3 dB/100 m
ACRF	100 MHz: 27.8 dB/100 m; 250 MHz: 19.8 dB/100 m
Delay Skew	1-10 MHz: 40 +/- 10 nS/100 m
Frequency	250 MHz
Impedance	100 ± 15 ohms
Insertion Loss	100 MHz: 19.8 dB/100 m; 250 MHz: 32.8 dB/100 m
Mutual Capacitance	5600 pF/100 m max.
NEXT	100 MHz: 44.3 dB/100 m; 250 MHz: 38.3 dB/100 m
Pair-to-Ground Capacitance	330 pF/100 m max.
Propagation Delay	250 MHz: 535.5 ns/100 m max.
PS-ACR	100 MHz: 22.4 dB/100 m; 250 MHz: 3.3 dB/100 m
PS-ACRF	100 MHz: 24.8 dB/100 m; 250 MHz: 16.8 dB/100 m
PS-NEXT	100 MHz: 42.3 dB/100 m; 250 MHz: 36.3 dB/100 m
Return Loss	100 MHz: 19.0 dB/100 m; 250 MHz: 15.6 dB/100 m

Electrical Performance Specifications: CAT6A Slim-Net Cable

ACR	100 MHz: 24.4 dB/100 m; 250 MHz: 5.3 dB/100 m
ACRF	100 MHz: 27.8 dB/100 m; 250 MHz: 19.8 dB/100 m; 500 MHz: 13.8 dB/100 m
Delay Skew	1-10 MHz: 40 +/- 10 nS/100 m
Frequency	500 MHz
Impedance	100 ± 15 ohms
Insertion Loss	100 MHz: 19.8 dB/100 m; 250 MHz: 32.8 dB/100 m; 500 MHz: 48.9 dB/100 m
Mutual Capacitance	5600 pF/100 m max.
NEXT	100 MHz: 44.3 dB/100 m; 250 MHz: 38.3 dB/100 m; 500 MHz: 33.8 dB/100 m
Pair-to-Ground Capacitance	330 pF/100 m max.
Propagation Delay	250 MHz: 535.5 ns/100 m max.
PS-ACR	100 MHz: 22.4 dB/100 m; 250 MHz: 3.3 dB/100 m
PS-ACRF	100 MHz: 24.8 dB/100 m; 250 MHz: 16.8 dB/100 m; 500 MHz: 10.8 dB/100 m
PS-NEXT	100 MHz: 42.3 dB/100 m; 250 MHz: 36.3 dB/100 m; 500 MHz: 31.8 dB/100 m
Return Loss	100 MHz: 19.0 dB/100; 250 MHz: 15.6 dB/100 m; 500 MHz: 13 dB/100 m
Resistance	22.3 ohms/100 m

Slim-Net CAT6 and CAT6A Patch Cable Data Sheet

Ordering Information: Slim-Net CAT6 Patch Cable

Item	Code
Slim-Net Cat6 Patch Cable, Blue	
1-ft.	C6PC28-BL-01
2-ft.	C6PC28-BL-02
3-ft.	C6PC28-BL-03
4-ft.	C6PC28-BL-04
5-ft.	C6PC28-BL-05
7-ft.	C6PC28-BL-07
10-ft.	C6PC28-BL-10
Slim-Net Cat6 Patch Cable, Black	
1-ft.	C6PC28-BK-01
2-ft.	C6PC28-BK-02
3-ft.	C6PC28-BK-03
4-ft.	C6PC28-BK-04
5-ft.	C6PC28-BK-05
7-ft.	C6PC28-BK-07
10-ft.	C6PC28-BK-10
Slim-Net Cat6 Patch Cable, Gray	
1-ft.	C6PC28-GY-01
2-ft.	C6PC28-GY-02
3-ft.	C6PC28-GY-03
4-ft.	C6PC28-GY-04
5-ft.	C6PC28-GY-05
7-ft.	C6PC28-GY-07
10-ft.	C6PC28-GY-10
Slim-Net Cat6 Patch Cable, Green	
1-ft.	C6PC28-GN-01
2-ft.	C6PC28-GN-02
3-ft.	C6PC28-GN-03
4-ft.	C6PC28-GN-04
5-ft.	C6PC28-GN-05
7-ft.	C6PC28-GN-07
10-ft.	C6PC28-GN-10
Slim-Net Cat6 Patch Cable, Yellow	
1-ft.	C6PC28-YL-01
2-ft.	C6PC28-YL-02
3-ft.	C6PC28-YL-03
4-ft.	C6PC28-YL-04
5-ft.	C6PC28-YL-05
7-ft.	C6PC28-YL-07
10-ft.	C6PC28-YL-10
Slim-Net Cat6 Patch Cable, Red	
1-ft.	C6PC28-RD-01
2-ft.	C6PC28-RD-02
3-ft.	C6PC28-RD-03
4-ft.	C6PC28-RD-04
5-ft.	C6PC28-RD-05
7-ft.	C6PC28-RD-07
10-ft.	C6PC28-RD-10
Slim-Net Cat6 Patch Cable, White	
1-ft.	C6PC28-WH-01
2-ft.	C6PC28-WH-02
3-ft.	C6PC28-WH-03
4-ft.	C6PC28-WH-04
5-ft.	C6PC28-WH-05
7-ft.	C6PC28-WH-07
10-ft.	C6PC28-WH-10

Slim-Net CAT6 and CAT6A Patch Cable Data Sheet

Ordering Information: Slim-Net CAT6A Patch Cable

Item	Code
Slim-Net Cat6A Patch Cable, Blue	
1-ft.	C6APC28-BL-01
2-ft.	C6APC28-BL-02
3-ft.	C6APC28-BL-03
4-ft.	C6APC28-BL-04
5-ft.	C6APC28-BL-05
7-ft.	C6APC28-BL-07
10-ft.	C6APC28-BL-10
Slim-Net Cat6A Patch Cable, Black	
1-ft.	C6APC28-BK-01
2-ft.	C6APC28-BK-02
3-ft.	C6APC28-BK-03
4-ft.	C6APC28-BK-04
5-ft.	C6APC28-BK-05
7-ft.	C6APC28-BK-07
10-ft.	C6APC28-BK-10
Slim-Net Cat6A Patch Cable, Gray	
1-ft.	C6APC28-GY-01
2-ft.	C6APC28-GY-02
3-ft.	C6APC28-GY-03
4-ft.	C6APC28-GY-04
5-ft.	C6APC28-GY-05
7-ft.	C6APC28-GY-07
10-ft.	C6APC28-GY-10
Slim-Net Cat6A Patch Cable, Green	
1-ft.	C6APC28-GN-01
2-ft.	C6APC28-GN-02
3-ft.	C6APC28-GN-03
4-ft.	C6APC28-GN-04
5-ft.	C6APC28-GN-05
7-ft.	C6APC28-GN-07
10-ft.	C6APC28-GN-10
Slim-Net Cat6A Patch Cable, Yellow	
1-ft.	C6APC28-YL-01
2-ft.	C6APC28-YL-02
3-ft.	C6APC28-YL-03
4-ft.	C6APC28-YL-04
5-ft.	C6APC28-YL-05
7-ft.	C6APC28-YL-07
10-ft.	C6APC28-YL-10
Slim-Net Cat6A Patch Cable, Red	
1-ft.	C6APC28-RD-01
2-ft.	C6APC28-RD-02
3-ft.	C6APC28-RD-03
4-ft.	C6APC28-RD-04
5-ft.	C6APC28-RD-05
7-ft.	C6APC28-RD-07
10-ft.	C6APC28-RD-10
Slim-Net Cat6A Patch Cable, White	
1-ft.	C6APC28-WH-01
2-ft.	C6APC28-WH-02
3-ft.	C6APC28-WH-03
4-ft.	C6APC28-WH-04
5-ft.	C6APC28-WH-05
7-ft.	C6APC28-WH-07
10-ft.	C6APC28-WH-10

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