

PRO-CAT6BULK1KS-GN

1000ft Non-Terminated Green Cat6 STP PVC Copper Patch Cable

Features

- Color: Green
- Length: 1000ft
- Non-Terminated Connector
- 24AWG
- Copper Patch Cable
- PVC Jacket
- RoHS Compliant

Product Description

This is a 1000ft non-terminated green shielded twisted pair PVC copper patch cable. The Cat6 cable is a standardized twisted pair cable for Ethernet or other physical network layers. Cat6 standards specify performance of up to 250MHz. Shielded twisted pair patch cables are perfect for data centers, LANs and other short range network connections. Our patch cables are 100% compliant for all of your networking needs. Our products are guaranteed by federal law to not affect or void OEM warranties.

Specifications

Parameter	Specification
Application	Patch
Cable Mode	STP
Color	Green
Connector	Non-Terminated
Jacket Type	PVC
Length (ft)	1000
Length (m)	304.8
Media	Copper
Standard	Cat6
Strand Count	8
Termination Type	Non-Terminated

Physical Characteristics

Parameter	Specification
Conductor Material	Solid Annealed Bare Copper
Number of Conductor Pairs	4
Size	23 AWG
Stranding	Solid
Insulation Material	Polyethylene
Overall Diameter	0.045in. ± 0.0002in.
Average Thickness	0.0106in.
Jacket Material	Flame-Retardant PVC
Average Wall Thickness	0.0236in.
Nominal Outer Diameter	0.2992in. ± 0.008in.
Nominal Weight	38lbs.
Shield Material	Al Foil Shield
Ripcord	Yes

Mechanical Characteristics

Parameter	Specification	
Temperature Rating	Installation	0°C to 60°C
	Operating	-20°C to 75°C
Tensile Strength	Before	≥ 13.8Mpa
Elongation	Aging	≥ 100%
Aging Condition		100°C x 168 Hours
	After	≥ 85% of Unaged
	Aging	≥ 50% of Unaged

Electrical Characteristics

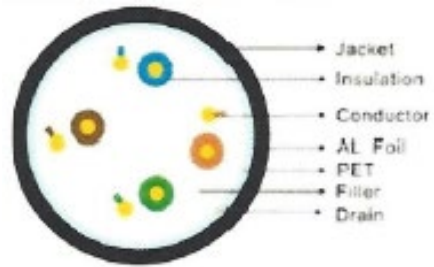
Parameter	Specification
Max Conductor DC Resistance @ 20°C	9.38Ω/100M
Maximum Conductor DC Resistance @ 20°C	≤9.38Ω/100M
Maximum DC Resistance Unbalanced @ 20°C	≤5%
Maximum Pair-to-Pair Ground Capacitance Unbalance	≤ 3 30pF/100M
Characteristic Impedance (1-350MHz)	≤ 100±15Ω
Mutual Capacitance	≤ 5.6nF/100M
Maximum Delay Skew	≤ 45nS/100M

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Maximum	Return Loss (dB) Minimum	NEXT (dB) Minimum	PS-NEXT (dB) Minimum
1	2.03	20.0	74.3	72.3
4	3.87	23.0	65.3	63.3
10	5.95	25.0	59.3	57.3
16	7.55	25.0	56.2	54.2
20	8.47	25.0	54.8	52.8
25	9.51	24.3	53.3	51.3
31.25	10.67	23.6	51.9	49.9
62.5	15.38	21.5	50.4	45.4
100	19.80	20.1	47.4	51.3
200	28.98	18.0	44.3	37.8
250	32.85	17.3	39.8	36.3
300	34.00	20.1	38.3	38.2
350	37.00	19.8	40.2	37.2
400	39.70	19.5	38.3	36.3
450	42.10	19.2	37.5	35.5
500	44.90	19.0	36.8	34.8
550	47.30	18.8	36.2	34.2
600	50.7	15.7	44.2	42.2
Frequency (MHz)	ELFEXT (dB/100m) Minimum	PS-ELFEXT (dB) Minimum	Delay (ns/ 100rn) Maximum	ACR (dB)
1	67.80	64.80	570.00	72.70
4	55.76	52.76	552.00	61.40
10	47.80	44.80	545.38	53.35
16	43.72	40.72	543.00	48.69
20	41.78	38.78	542.05	46.31
25	39.84	36.84	541.20	43.82
31.25	37.90	34.90	540.44	41.21
62.5	31.88	28.88	538.55	31.9&
100	27.80	24.80	537.60	24.50
200	21.78	18.78	536.55	10.80
250	19.84	16.84	536.28	5.40
300	21.20	18.20	-	-
350	19.90	16.90	-	-
400	18.70	15.70	-	-
450	17.70	14.70	-	-
500	16.80	13.80	-	-
550	15.90	12.90	-	-
600	NIA	NIA	NIA	NIA

Note: Values above 250MHz are information only.

Cable Detail



Insulation Colors

Pair 1	White/Blue	Blue
Pair 2	White/Orange	Orange
Pair 3	White/Green	Green
Pair 4	White/Brown	Brown

About Us:

Proline Options is one of North America's leading providers of transceivers and high speed cabling. With a reputation for quality, tested products that cover the connectivity spectrum, Proline Options has a solution for you regardless of the specification.

At Proline Options, every product is tested in its intended application - never batch or spec tested only. We run bandwidth, distance and IOS network tests. We have documented an impressive 0.03% failure rate over the last 10 years. To continue this rate of success we invest millions annually in our own on-site testing lab.

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