



DATA SHEET

Cat6 Snagless Unshielded STP Ethernet Network Patch Cable

For fast Ethernet and Gigabit computer networks that require bandwidth-intensive voice, data, or video distribution applications.

OVERVIEW

Meets all Cat6 TIA/EIA standards, and drastically reduces both impedance and structural return loss (SRL). Each of the individual pairs is bonded together to help maintain the twist-spacing throughout the line right up to the termination point. Constructed from high quality copper cable, this design minimizes Near-End Crosstalk (NEXT) levels. The molded, snagless boot prevents unwanted cable snags during installation and provides extra strain relief. Available in a variety of colors to easily color-code your network installation.

FEATURES

- Snagless design protects clips when plugging and unplugging
- Standard RJ45 connectors and unshielded twisted pair wires
- Available in 10 colors to color-code a network
- Available in lengths up to 150ft

LENGTH	GRAY	BLUE	BLACK	GREEN	RED	YELLOW	ORANGE	PURPLE	WHITE	PINK
6in	00951	00952	00953	00954	00955	00956	00957	00958	00959	00960
1ft	27130	27140	27150	27170	27180	27190	27810	27800	27160	04043
2ft	03965	03973	03981	03989	03998	04007	04016	04025	04034	04044
3ft	27131	27141	27151	27171	27181	27191	27811	27801	27161	04045
4ft	03966	03974	03982	03990	03999	04008	04017	04026	04035	04046
5ft	31340	31341	31342	31344	31345	31346	31348	31347	31343	04047
6ft	03967	03975	03983	03991	04000	04009	04018	04027	04036	04048
7ft	27132	27142	27152	27172	27182	27192	27812	27802	27162	04049
8ft	03968	03976	03984	03992	04001	04010	04019	04028	04037	04050
9ft	03969	03977	03985	03993	04002	04011	04020	04029	04038	04051
10ft	27133	27143	27153	27173	27183	27193	27813	27803	27163	04052
12ft	03970	03978	03986	03994	04003	04012	04021	04030	04039	04053
14ft	27134	27144	27154	27174	27184	27194	27814	27804	27164	04054
15ft	22016	22015	22014	03995	04004	04013	04022	04031	04040	04055
20ft	03971	03979	03987	03996	04005	04014	04023	04032	04041	04056
25ft	27135	27145	27155	27175	27185	27195	27815	27805	27165	04057
30ft	03972	03980	03988	03997	04006	04015	04024	04033	04042	04058
35ft	31350	31351	31352	31354	31355	31356	31358	31357	31353	04059
50ft	27136	27146	27156	27176	27186	27196	27816	27806	27166	04060
75ft	31360	31361	31362	31364	31365	31366	31368	31367	31363	04061
100ft	27137	27147	27157	27177	27187	27197	27817	27807	27167	04062
150ft	27139	27149	27159	27179	27189	27199	27819	27809	27169	04063

ELECTRICAL CHARACTERISTICS

- Conductor DC Resistance: $9.38\Omega/100\text{m}$ (maximum)
- Impedance: 100Ω
- Capacitance: $5600\text{pf}/100\text{m}$
- Propagation Delay: $545\text{ns}/100\text{m}$ (maximum)
- Delay Skew: $45\text{ns}/100\text{m}$ (maximum)

PHYSICAL CHARACTERISTICS

- Wiring Scheme: T568B
- Standard: Category 6 TIA/EIA-568-B-2.1, draft 9
- Connector: 50 micron gold-plated RJ45
- Temperature Rating: 60°C
- Voltage Rating: 30V
- Approvals: RoHS Compliant
- Warranty: Lifetime
- Package Type: Polybag

CONDUCTOR (QTY. 4 TWISTED PAIR)

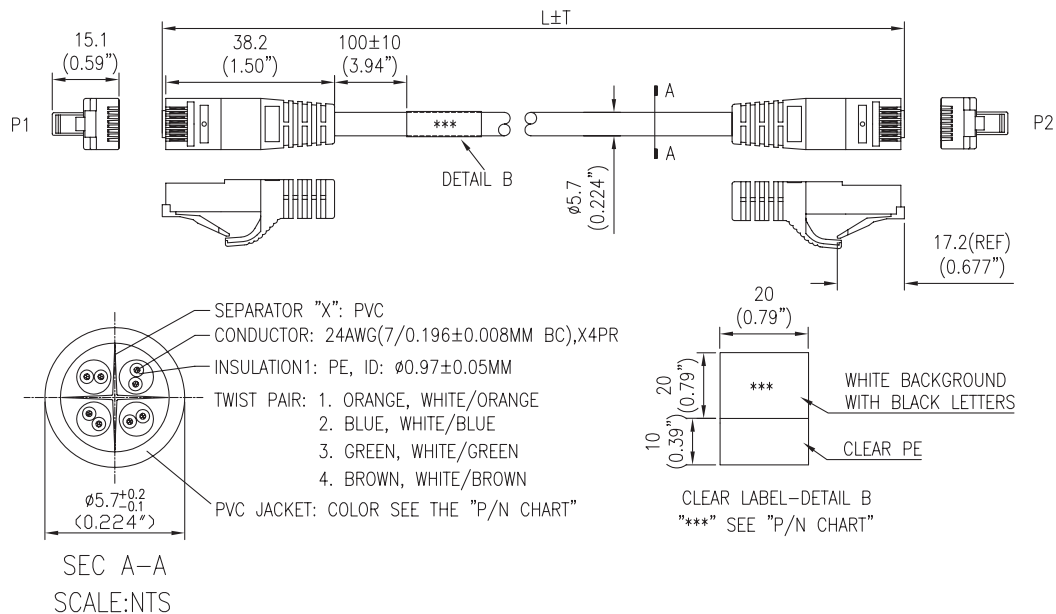
- Conductor Type: 24AWG (7/0.20), Stranded Bare Copper
- Insulation: H-D PE
- Diameter: $0.98 \pm 0.05\text{mm}$
- Colors: Blue, Blue-White, Orange, Orange-White, Green, Green-White, Brown, Brown-White

CONNECTOR TYPE (QTY. 2)

- Connector Type: 8P8C (RJ45)
- Gender: Male
- Connector Material: Polycarbonate
- Contact Material: Copper Alloy, Gold Plating - $50\mu\text{m}$
- Hood Material: Molded PVC

OVERALL CABLE

- Jacket: PVC
- Minimum Average Thickness: 0.60mm
- Outer Diameter: $6.20 \pm 0.30\text{mm}$



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USA 800.506.9607 | c2g.com | legrandav.com | customer-service@c2g.com

EMEA +31 495 580 840 | c2g.com/uk | legrandav.com | c2g.emea@av.legrand.com

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