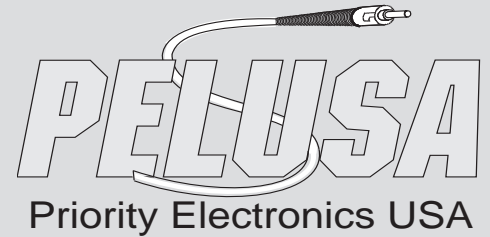
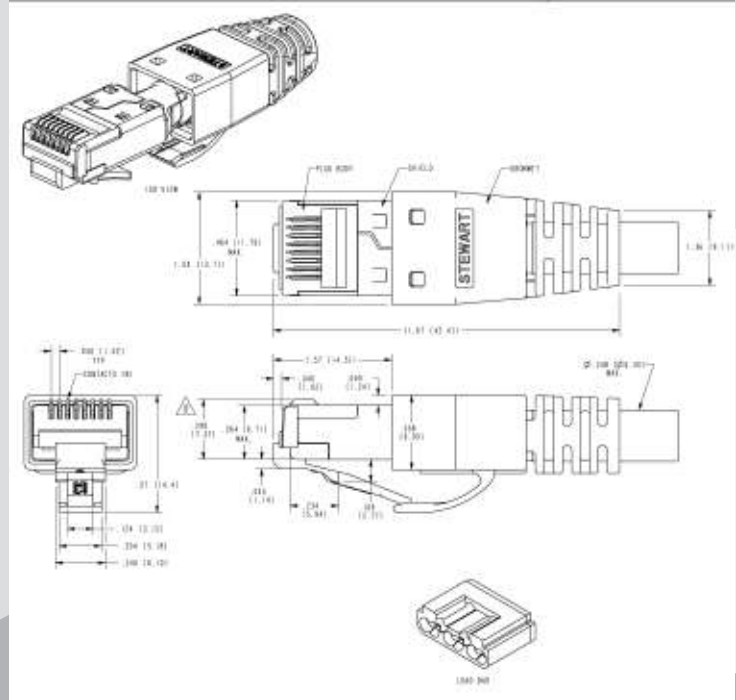




Cat 6 Individually Shielded Modular Assemblies (SSTP)



PRIORITY ELECTRONICS manufactures a complete line of voice and data modular cable assemblies. PRIORITY utilizes the highest quality connectors and all assemblies are tested for continuity before shipping. All shielded assemblies come with an anti-snap boot integral to the connector. All Cat6 assemblies are offered either channel tested or component compliant tested. Category 6 assemblies are available in any desired length.



A word about Cat 6 Patchcords:

Priority offers two levels of Cat 6 patchcords: 1.) Channel Tested and 2.) Component Compliant Tested.

Channel tested patchcords are combined with a marginal (but passing) permanent link (horizontal cabling and cat 6 jacks). Channel testing is then performed and the patchcord passed or failed depending upon final result. This test result insures Cat 6 performance on most manufacturers Cat 6 Permanent links.

Component Compliant tested patchcords are tested utilizing our Fluke DSP analyser and patchcord adapters. This system fully meets the requirements for component testing as laid out in the TIA/EIA-568-B.2-1 Annex J. and insures the best possible performance over the widest range of different manufacturers permanent links.

Specifications:

Meets IEC 61156-5, ISO/IEC 11801 and EIA/TIA 568-B.2-1 requirements

Fire protection – CM

The cable meets UL 1581 VW-1 fire safety standard

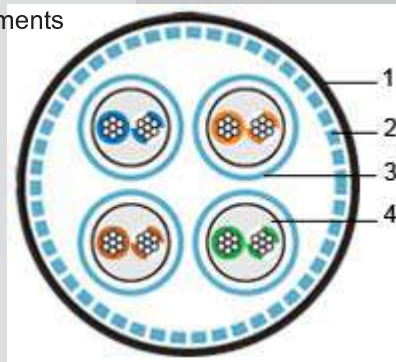
Description:

Shielded Copper cable, 4 pairs, category 6, stranded

4 separately foil-shielded pairs

General shield: wire braid

Cable is used for indoor installation



- 1 – Jacket
- 2 – Shield-braid
- 3 – Shield-foil
- 4 – Twisted pairs stranded (patch)

Materials:

Conductive material: wire made of soft annealed electrolytic copper

Conductor insulation: HDPE

The cable jacket: PVC

Shield: every pair is separately shielded with polyester aluminum foil, which covers 100% of twisted pair and wire braid cover – 65% minimum

Technical characteristics:

Conductor diameter: 7 x 0.16 mm (7 x 0.006") (26 AWG)

Insulated conductor diameter: 0.98 mm (0.038")

Outer cable diameter: 6 ± 0.2 mm (0.23" ± 0.008")

Jacket thickness: 0.4 mm (0.015")

Minimum bend radius: 8 outer cable diameters

Conductor elongation: 14% minimum

Operating temperature: -30°C – +70°C (-22°F – +158°F)

Weight per 1000 ft (304.8 m): 28.9 lbs (13.1 kg)

Standard package: 500 m (1640 ft)

Electrical characteristics:

Frequency, MHz	Pair attenuation, dB/100m (dB/100ft)	NEXT losses, dB	RL, dB
1	-	78	-
4	5.8 (1.80)	78	23
10	9 (2.74)	78	25
16	11.4 (3.47)	78	25
31.25	16.1 (4.91)	78	23.3
62.5	23.3 (7.10)	75	20.7
100	29.9 (9.11)	72	19
200	43.8 (13.35)	68	16.4
250	49.7 (15.15)	66	15.6

Maximum conductor resistance at 20°C (68°F)

145 Ohm/km (233.35 Ohm/mile)

Resistance unbalance

2% max.

Resistance at the frequency of 1-250 MHz

100 ± 15 Ohm

Transfer impedance at the frequency of 1-10 MHz

5 MOhm/m (1.52 MOhm/ft) max.

Insulation resistance at 20°C (68°F)

152 MOhm/km (244.62 MOhm/mile) min.

Capacitive unbalance at the frequency of 1 kHz

43 pF/m (13.1 pF/ft)

Maximum voltage

30 V RMS

Dielectric rigidity

700 V/1min

Propagation velocity

77-80%

Max. derivation of propagation delay at the frequency of 1 MHz

5.7 ns/m (1.74 ns/ft)

Max. derivation of propagation delay at the frequency of 10 MHz

5.4 ns/m (1.64 ns/ft)

Max. derivation of propagation delay at the frequency of 250 MHz

5.3 ns/m (1.61 ns/ft)

Max. derivation of propagation delay at the frequency of 1-300 MHz

25 ns/100m (7.62 ns/100 ft)

1-800-478-0447

www.priority-electronics.com