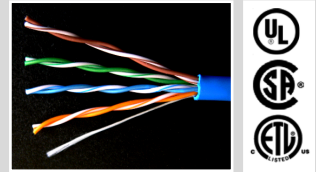


Super 350™ Enhanced Category 5e UTP cable is designed to meet or exceed the today's most advanced UTP cable applications. With enough headroom to greatly exceed ANSI/TIA/EIA 568-B.2 and ISO/IEC 11801 specifications, Super 350™ is ideal for installations that require high performance cable solution. Outstanding performance sets Super 350™ far apart from common Category 5e cables and making it ideal for high-end transmission links supporting the today's demanding network protocols.



Standards

- ANSI/TIA/EIA-568-B.2 Category 5e
- ISO/IEC 11801 Category 5e
- Non Plenum – UL 1581, UL 1666, CM, CMR, IEC 332-1, CSA, ETL
- Plenum – UL 910, CMP, CSA, ETL

Applications

Super 350™ Enhanced Category 5e UTP cables are specified to 350MHz and support high speed application including:

- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4, 1000 Mbps 1000BASE-T Gigabit ETHERNET™ (IEEE 802.3)
- 16Mbps Token Ring™ (IEEE 802.5)

Construction

- Conductor: 24AWG (0.52mm) Solid Annealed Bare Copper
- Insulation: Polyethylene (Non-Plenum) or FEP (Plenum)
- Jacket: Flame Retardant PVC (FR-PVC) or Polymer Alloy

Features & Benefits

- Attenuation, PS-NEXT, ACR and RL are specified and tested to 350MHz – Enhanced bandwidth cable ensures Zero Bit Error Rates and increases network efficiency and uptime
- Guaranteed 6dB PS-NEXT and exceptional PS-ACR performance over TIA/EIA 568-A-5 Category 5e requirements - Performance assurance for multiple high-bandwidth applications (e.g. Fast ETHERNET, ATM, Gigabit ETHERNET)
- Guaranteed 5dB better NEXT than TIA/EIA 568-A-5 Category 5e standards. Greater assurance of exceptional overall channel performance
- Positive identification striping on 100% of conductor length – Easily identifiable conductor mates
- ETL verified to TIA/EIA 568-A-5 and ISO/IEC 11801 – Universally accepted design and approvals for global commercial network installation

Parametric Measurement

Impedance:

100 ± 15 Ω 0.772 – 100 MHz
 100 ± 22 Ω 100 – 200MHz
 100 ± 32 Ω 200 – 350MHz

Max. Conductor Resistance:

9.38 Ω / 100 Meters @ 20 °C
 28.6 Ω / 1,000 FT @ 20 °C

Max Capacitance Unbalance:

330 pF / 100 Meters

Max. Delay Skew:

20 ns / 100 Meters

Nom. Velocity of Prop.:

71% for CM, CMR
 73% for CMP

Mutual Capacitance:

5.6 nF / 100 Meters

Temperature Rating:

0 to +60 °C (Installation)
 -20 °C to +70 °C (Operating)

Max. Resistance Unbalance:

5%

abergetty Super 350™ - 4 Pair Enhanced Cat 5e UTP Cable

Physical Data

	CM	CMR	CMP
Conductor Nom. O.D.	.0208"	.0208"	.0208"
Nom. Cable Diameter	.197"	.197"	.192"
Nominal Weight	23 lbs.	23 lbs.	21 lbs.
Min. Bend Radius	1.0"	1.0"	1.0"
Max. Tension	25 lbs.	25 lbs.	25 lbs.

Electrical Data

Frequency (MHz)	Attenuation (dB/100m)		RL (dB)		NEXT (dB)		PS-NEXT (dB)		ELFEXT (dB)		PS-ELFEXT (dB)		ACR (dB)		PS-ACR (dB)	
	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.
.772	1.8	1.5	23.0	33.0	72.0	81.1	70.0	78.7	66.0	73.3	63.0	72.7	70.2	79.2	68.2	77.0
1	2.0	1.8	23.0	38.6	70.3	79.4	68.3	76.9	63.8	71.3	60.8	70.6	68.2	77.6	66.3	75.0
4	4.1	3.6	23.0	39.8	61.2	69.9	59.3	67.4	51.7	59.4	48.7	58.7	57.2	66.3	55.2	63.5
8	5.8	5.1	24.5	38.2	56.8	61.9	54.8	59.4	45.7	53.2	42.7	51.1	51.0	59.8	49.0	56.9
10	6.5	5.8	25.0	38.0	55.3	62.4	53.5	59.9	43.8	50.5	40.8	49.7	48.8	56.6	47.0	53.7
16	8.2	7.4	25.0	37.4	52.3	57.8	50.3	55.2	39.7	47.0	36.7	45.1	43.0	53.0	42.1	47.4
20	9.3	8.2	25.0	36.8	50.8	56.4	48.8	53.8	37.7	45.0	34.7	43.6	41.5	50.5	39.5	45.0
25	10.4	9.3	24.3	35.2	49.3	56.3	47.3	53.6	35.8	43.3	32.8	42.0	38.9	47.0	36.9	43.7
31.25	11.7	10.5	23.6	33.3	47.9	53.8	45.9	51.1	33.9	41.3	30.9	40.5	36.5	43.3	34.2	40.0
62.5	17.0	14.9	21.5	32.2	43.4	49.8	41.4	47.4	27.8	35.8	24.8	34.5	26.4	35.0	24.4	31.2
100	22.0	19.2	20.1	31.3	40.3	47.5	39.3	45.0	23.8	31.3	20.8	30.3	18.3	26.2	16.3	24.2
155	28.1	24.2	18.8	29.8	37.4	45.1	35.4	42.6	19.9	27.5	16.9	26.9	10.0	20.9	7.3	15.9
200	32.4	27.3	18.0	28.5	35.7	43.3	33.7	40.8	17.7	24.7	14.7	24.5	5.0	16.0	2.0	10.0
250	38.9	30.9	17.5	27.3	34.8	41.4	32.5	39.0	17.1	22.2	14.0	22.5	0	10.6	-	4.0
300	41.0	34.1	16.8	25.6	33.1	40.2	31.1	37.7	16.7	20.5	13.5	20.7	-	6.1	-	-1.3
350	44.9	37.8	16.3	23.2	32.1	39.0	30.1	36.5	16.0	19.4	12.8	19.6	-	1.2	-	-6.4










Color Code

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

Packaging Option

1000 FT	Pull-Out Box
1000 FT	Reel
1000 FT	Reel In A Box

UTP Enhanced Category 5e Part Number

Part Number	Rating **	Jacket	Jacket Color *	Length
L44306	CM	FR-PVC	 BLUE	1000 FT (305m)
L44310	CM	FR-PVC	 GRAY	1000 FT (305m)
L44303	CM	FR-PVC	 WHITE	1000 FT (305m)
L44506	CMR	FR-PVC	 BLUE	1000 FT (305m)
L44510	CMR	FR-PVC	 GRAY	1000 FT (305m)
L44503	CMR	FR-PVC	 WHITE	1000 FT (305m)
L44706	CMP	Polymer alloy	 BLUE	1000 FT (305m)
L44710	CMP	Polymer alloy	 GRAY	1000 FT (305m)
L44703	CMP	Polymer alloy	 WHITE	1000 FT (305m)

* Other jacket colors available. ** Also available in LSZH (Low Smoke Zero Halogen) type.