

ETL Listed Cat6 Riser Solid Bare Copper Cable



Description:	Category 6 Horizontal Cable 23AWG Non-plenum, unshielded four twisted pairs assembled with a tape separator, with an overall PVC jacket.
Ratings/Approvals:	NEC Article 800, UL Subject 444, UL 1666:CMR Rating FT4, ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 6, C(ETL)US, RoHS Compliant
Applications:	Supports all category 6 applications including Ethernet 1BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth application such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps

CONSTRUCTION

Conductor: Number of	23 AWG Solid Bare
Conductors or Pairs: Jacket	Copper 4 Pair Polyvinyl
Material: Nominal Overall	Chloride
Cable Diameter:	0.195 in.
Approximate Cable Weight:	30 lb/1,000 ft.

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	Installation: 0°C to 50°C Operation: -2°C to 60°C
Velocity of Propagation:	70%
Mutual Capacitance:	14 pF/ft Nominal
Capacitance Unbalance:	330 pF/ft maximum
Maximum Conductor D.C.R.:	28.6Ω/1,000 ft
Maximum D.C.R. Unbalance:	3%
Maximum Delay Skew:	18 ns/100m
Characteristic Impedance:	From 0.772 MHz - 100 MHz From 101 MHz - 250 MHz From 251 MHz - 550 MHz 100Ω ± 15% 100Ω ± 22% 100Ω ± 32%
Minimum bend radius:	1.0 in.
Insulation Colors:	Blue paired with White/Blue Orange paired with White/Orange Green paired with White/Green Brown paired with White/Brown

**RoHS**

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Revision: 4

ELECTRICAL CHARACTERISTICS

Frequency	Return Loss	Insertion Loss	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
	dB(100M)	dB(100M)	dB(100M)	dB(100M)	dB(100M)	dB(100M)	dB(100M)	dB(100M)
MHz	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8	78.3	76.3
4	23.0	3.8	71.3	69.3	61.8	58.8	67.5	65.5
10	25.0	6.0	65.3	63.3	53.8	50.8	59.3	57.3
16	25.0	7.6	62.2	60.2	49.7	46.7	54.6	52.6
20	25.0	8.5	60.8	58.8	47.8	44.8	52.3	50.3
31.25	23.6	10.7	57.9	55.9	43.9	40.9	47.2	45.2
62.5	21.5	15.4	53.4	51.4	37.9	34.9	38.0	36.0
100	20.1	19.8	50.3	48.3	33.8	30.8	30.5	28.5
200	18.0	29.0	45.8	43.8	27.8	24.8	16.8	14.9
250	17.3	32.8	44.3	42.3	25.8	22.8	11.5	9.5
300	16.8	36.4	37.1	35.1	---	----	---	---
350	16.3	39.8	36.1	34.1	----	----	---	---
400	15.9	43.0	35.3	33.3	----	---	---	---
500	15.2	48.9	33.8	31.8	--	--	---	---
555	14.9	52.0	33.1	31.1	--	--	---	---

* Values above 250 MHz are for engineering information only


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