



Description

AMP NETCONNECT Category 5e cables exceed TIA/EIA-568-B requirements for Category 5e performance. They comply with all of the performance requirements for current and proposed applications such as Gigabit Ethernet, 100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and voice. The cable is available in white and gray, and packaged as wooden reels or reel-in-box.

Specification (Text in brackets [] requires a choice.)

Horizontal cabling shall be 24 AWG, 4-pair **CM** rated, with a [white or gray] PVC jacket. Cable jacketing shall be lead-free. Cable shall meet the performance requirements listed in the following table [include Performance Characteristics table from back page] in addition to all other standard Category 5e performance requirements. Cable shall be supplied [on wooden reels or in reel-in-box].

Horizontal cable shall be AMP NETCONNECT part number [219413-X].

Description	UL/NEC Ratings	Nominal Diameter		Vp (nom%)	Weight	Package	Part Numbers	
		Dielectric	Outside				White	Gray
4-Pair Non-Plenum	CM	0.044 in	0.244 in	72	30 lbs/mft	WR	219413-1	219413-4
						RB	219413-2	219413-5

Package: WR = Wooden Reel, RB = Reel Box (1000 ft. ± 2%)

Category 5e FTP Cable 219413-X

Performance Characteristics (meet or exceed TIA/EIA-568-B Category 5e)

Frequency, MHz	Attenuation, dB/100m Max.	NEXT, dB Min./Typical	PSNEXT, dB Min./Typical	ELFEXT, dB Min./Typical	PSELFEXT, dB Min./Typical	Delay (ns/100m) Max.	Return Loss, dB Min./Typical	ACR, dB Min./Typical
1	2.1	70/79	67/75	64/71	61/68	570	20/28	68.2/77.3
4	4.0	61/70	58/66	52/59	49/56	552	23/31	57.3/66.2
10	6.3	55/64	52/60	44/51	41/48	545	25/33	49.0/57.8
16	8.0	52/61	49/57	40/47	37/44	543	25/33	44.2/53
20	9.3	51/60	48/56	38/45	35/42	542	25/33	41.8/50.5
31.25	11.4	48/57	45/53	34/41	31/38	540	24/31.6	36.5/45.2
62.5	16.5	43/52	40/48	28/35	25/32	539	22/29.5	26.8/35.4
100	21.3	40/49	37/45	24/31	21/28	538	20/28.1	19.0/27.3
125	24.2	39/47	36/43	22/28	19/24	537	19/27.2	14.7/22.8
155	27.2	37/46	34/42	20/27	17/24	537	19/26.8	10.2/18.8
200	31.5	36/45	33/41	18/25	15/22	537	18/26.0	4.3/13.5
225	33.7	35/44	32/40	17/24	14/21	536	18/25.6	1.3/10.3
250	35.8	34/43	31/39	16/23	13/20	536	17/25.3	-/7.2
300	39.8	33/42	30/38	14/21	11/18	536	17/24.8	-/2.2
350	43.5	32/41	29/37	13/20	10/17	536	16/24.3	-/

Impedance: 100 ohms +/- 15, 1 MHz to 350 MHz

Mutual capacitance: 5.6 nF max/100 m

Bend radius: (4 X cable diameter) \approx 1"

Materials:

Conductors - 24 AWG solid bare copper

Insulation - Polyolefin, .044" dia. nom.

Jacket - PVC, .244" dia. nom.

Operating temperature: 20°C – 60°C

Storage temperature: -20°C – 80°C

Specifications subject to change without notice.

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<http://www.ampnetconnect.com/thailand>