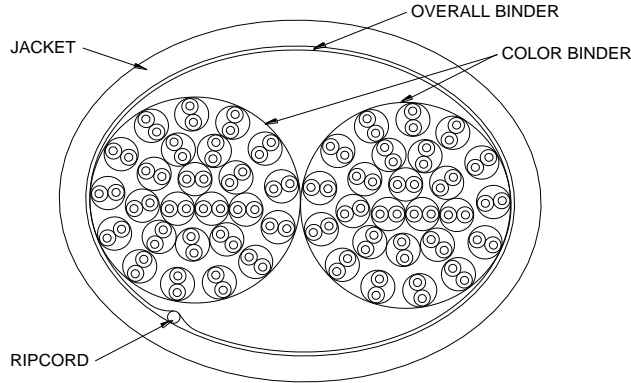


24 AWG 50-Pair Plenum Cat 3 Communication Cable



1. Construction:

- 1.1. Conductors: 24 AWG Solid Bare Copper 0.0201" Nominal Diameter
- 1.2. Insulation: Plenum PVC, 0.039" Nominal Diameter
- 1.3. Pairs: Conductors Twisted to Varying Lays
- 1.4. Core: 25 Pairs cabled together with a Color Coded Binder
- 1.5. Cable: Cable 2 Cores with an Overall Binder
- 1.6. Ripcord: Ripcord located under Jacket
- 1.7. Jacket: White Plenum PVC, 0.552" Nominal Diameter

1.8. Jacket Print:

COMTRAN CABLE LLC 24 AWG CMP C(UL)US –
IEEE 802.3 10 BASE T CAT 3 RoHS (01-12345)
000002

Sequential Footage Markings Every Two Feet



2. Compliance:

- 2.1. C(UL)US Listed Type CMP
- 2.2. UL Subject 444 Communications Cables
- 2.3. NFPA 262 (UL 910), Plenum Flame Test
- 2.4. IEEE 802.3
- 2.5. NEC Article 800
- 2.6. California State Fire Marshal Approved
- 2.7. RoHS Compliant

3. Electrical Characteristics:

- 3.1. Mutual Capacitance: 20 pF/FT Nominal @ 1 KHz
- 3.2. DCR: 27Ω/1000 FT Nominal @ 20°C
- 3.3. Impedance: 100Ω +/- 15% @ 1MHz to 16 MHz

Frequency (MHz)	Insertion Loss	PSNEXT
	(dB/100m) (Max)	(dB/100m) (Min)
1	2.56	41.3
4	5.59	32.2
8	8.47	27.7
10	9.72	26.3
16	13.09	23.2

TITLE:		DESCRIPTION	Comtran Cable LLC 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 	
DS32632		24AWG 50-Pair Plenum Cat 3 Communication Cable				
Rev	Date	Detail	Eng.	App.		
10	03/17/16	Update to current format	PB	RN		
09	01/29/08	Revise ODs	2me	RHW		
08	04/30/07	Add ripcord; revise ODs	2me	RHW		
07	11/22/06	Add RoHS to print	2me	RHW		
06	11/09/05	Revise Wall Thickness	2me	RHW		



Comtran Cable LLC Reserves the right to change the information above without prior notification. Comtran Cable LLC assumes no risk, and is not liable for direct or indirect, or consequential damages, resulting from the use of this document

24 AWG 50-Pair Plenum Cat 3 Communication Cable

25 Pair Color Code

Pair No.	Tip	Ring	Pair No.	Tip	Ring
1	White/Blue	Blue/White	14	Black/Brown	Brown/Black
2	White/Orange	Orange/White	15	Black/Gray	Gray/Black
3	White/Green	Green/White	16	Yellow/Blue	Blue/Yellow
4	White/Brown	Brown/White	17	Yellow/Orange	Orange/Yellow
5	White/Gray	Gray/White	18	Yellow/Green	Green/Yellow
6	Red/Blue	Blue/Red	19	Yellow/Brown	Brown/Yellow
7	Red/Orange	Orange/Red	20	Yellow/Gray	Gray/Yellow
8	Red/Green	Green/Red	21	Violet/Blue	Blue/Violet
9	Red/Brown	Brown/Red	22	Violet/Orange	Orange/Violet
10	Red/Gray	Gray/Red	23	Violet/Green	Green/Violet
11	Black/Blue	Blue/Black	24	Violet/Brown	Brown/Violet
12	Black/Orange	Orange/Black	25	Violet/Gray	Gray/Violet
13	Black/Green	Green/Black			

Binder Group Color Binder	Pair Count
White/Blue	001 - 025
White/Orange	026 - 050

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