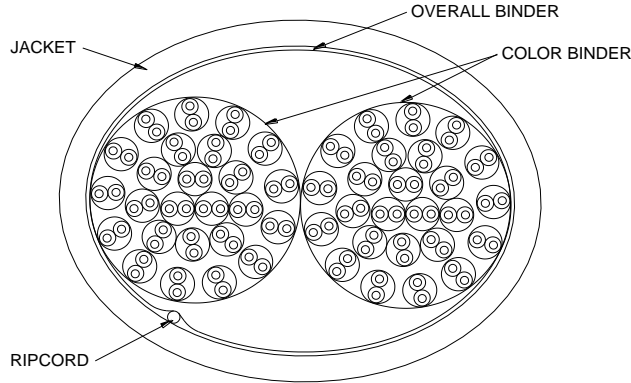


24 AWG 50-Pair Plenum Cat 3 Communication Cable



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 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: 27 Ω /1000 FT Nominal @ 20°C
- 3.3. Impedance: 100 Ω +/- 15% @ 1MHz to 16 MHz

Frequency (MHz)	Insertion Loss (dB/100m)	PSNEXT (dB/100m)
	(Max)	(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: DS32632		DESCRIPTION: 24AWG 50-Pair Plenum Cat 3 Communication Cable		COMTRAN 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 COMTRAN <small>Innovative Systems. Engineered Solutions.</small>  <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail		Eng.	App.		
11	01/07/19	Change logo and basic corrections		SM	PB		
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		


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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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