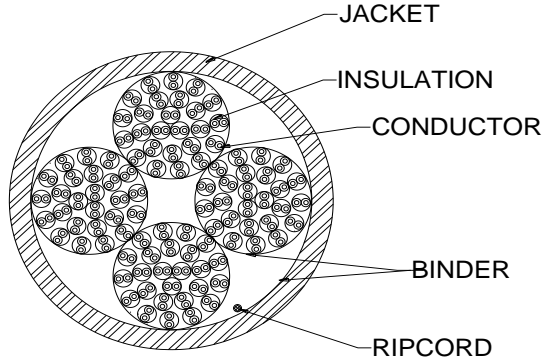


# 24 AWG 100-Pair Cat 3 Communication Cable



## 1. Construction:

- 1.1. Conductors: 24 AWG Solid Bare Copper 0.0201" Nominal Diameter
- 1.2. Insulation: Plenum PVC, 0.037" 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 4 Cores with an Overall Binder
- 1.6. Ripcord: Ripcord located under Jacket
- 1.7. Jacket: White Plenum PVC, 0.761" Nominal Diameter

## 1.8. Jacket Print:

COMTRAN CABLE LLC 100PR 24 AWG CMP  
C(UL)US – IEEE 802.3 10BASE 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. NEC Article 800
- 2.5. California State Fire Marshal Approved
- 2.6. 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

<b>TITLE:</b>		<b>DESCRIPTION</b>	<b>Comtran Cable LLC</b>		 
<b>DS32633</b>		24AWG 100-Pair Cat 3 Communication Cable	<b>330A Turner Street</b> <b>South Attleboro, MA 02703</b> <b>Phone: 508-399-7004</b> <b>Fax: 508-399-8839</b>		
Rev	Date	Detail	Eng.	App.	
09	03/17/16	Update to current format	PB	RN	
08	01/29/08	Revise ODs	2me	RHW	
07	04/30/07	Add ripcord; revise ODs	2me	RHW	
06	09/05/06	Add RoHS	rhw	RHW	
05	03/26/04	Revised and Redrawn	2me	RHW	



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# 24 AWG 100-Pair 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
White/Green	051 - 075
White/Brown	076 - 100

<b>TITLE:</b>	<b>DESCRIPTION</b>	<b>Comtran Cable LLC</b> 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839	 <b>COMTRAN CABLE</b> ENGINEERED QUALITY  <small>A Marmon Wire &amp; Cable/Berkshire Hathaway Company</small>
<b>DS32633</b>	24AWG 100-Pair Cat 3 Communication Cable		

Rev	Date	Detail	Eng.	App.
09	03/17/16	Update to current format	PB	RN
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