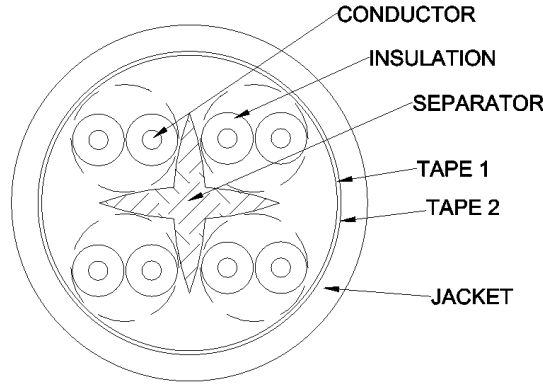


Category 6A Reduced Diameter UTP Plenum



1. Construction:

- 1.1. Conductors: 23 AWG Solid Bare Copper
- 1.2. Insulation: Fluoropolymer Nominal Diameter 0.039"
- 1.3. Pair Assembly: Conductors Twisted to Varying Lays
- 1.4. Cable Assembly: 4 Pairs Cabled Together With X-Web
- 1.5. Tape 1: Polyester 25% Nominal Overlap
- 1.6. Tape 2: Non-Conductive Tape Technology
- 1.7. Jacket: PVC Nominal OD, 0.265"
- 1.8. JACKET PRINT:
COMTRAN COM-Link® CAT 6A 500 MHZ 23 AWG
CMP C(UL)US 105C ETL VERIFIED TO ANSI/TIA-568-
C.2 CATEGORY 6A RoHS (01-12345) 00002

(01-12345) = Traceability Code
XXXXXX = Sequential Footage every Two Feet

2. Physical Characteristics:



- 2.1. Nominal Cable Weight: 36 lbs. /1,000 ft.
- 2.2. Installation Temperature Rating: 0 °C to + 60 °C
- 2.3. Operation Temperature Rating: -20 °C to + 105 °C

3. Compliance:

- 3.1. UL Subject 444 Communications Cables
- 3.2. UL Listed c(UL)us Type CMP
- 3.3. NFPA 262, (UL 910) Plenum Flame Test
- 3.4. NEC Article 800
- 3.5. c(UL)us Type CMP
- 3.6. California State Fire Marshal
- 3.7. RoHS Compliant

4. Category Electrical Performance:

- 4.1. Voltage Rating: 300 V
- 4.2. Max. DC Resistance: 9.38 Ω/100m
- 4.3. Max DC Resistance Unbalance: 5.0%
- 4.4. Nominal Velocity of Propagation: 68%
- 4.5. Max Propagation Delay Skew: 45 ns/100m
- 4.6. ETL Verified to ANSI/TIA-568-C.2

TITLE:		DESCRIPTION:		COMTRAN		 COMTRAN <small>Innovative Systems. Engineered Solutions.</small>	
CAT 6A REDUCED DIAMETER UTP PLENUM		4 Pair 23 AWG Solid Bare Copper Category 6A Reduced Diameter UTP Plenum		330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <small>A Marmon Wire & Cable/Berkshire Hathaway Company</small>	
Rev	Date	Detail		Eng.	App.		
3	01/15/19	Updated Temperature range and printing		PB	WC		
2	01/10/19	Added PN for different Colors		PB	WC		
1	12/17/18	First release		PB	WC	S-2024-20	

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Category 6A Reduced Diameter UTP Plenum

Category 6A Electricals

(Per ANSI/TIA 568-C.2)



Char. Impedance		Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
Freq.	(Ohms)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz)	(+/-15)	(Min)	(Max)	(Min)	(Min)	(Min)	(Min)
1	100	20.0	2.0	74.3	72.3	67.8	64.8
4	100	23.0	3.8	65.3	63.3	55.8	52.8
8	100	24.5	5.3	60.8	58.8	49.7	46.7
10	100	25.0	6.0	59.3	57.3	47.8	44.8
16	100	25.0	7.5	56.2	54.2	43.7	40.7
20	100	25.0	8.4	54.8	52.8	41.8	38.8
25	100	24.3	9.4	53.3	51.3	39.8	36.8
31.25	100	23.6	10.5	51.9	49.9	37.9	34.9
62.5	100	21.5	15.0	47.4	45.4	31.9	28.9
100	100	20.1	19.1	44.3	42.3	27.8	24.8
200	100	18.0	27.6	39.8	37.8	21.8	18.8
250	100	17.3	31.1	38.3	36.3	19.8	16.8
300	100	16.8	34.3	37.1	35.1	18.3	15.3
400	100	15.9	40.0	35.3	33.3	15.8	12.8
500	100	15.2	45.3	33.8	31.8	13.8	10.8

Category Color Code

Color Code	
Pair 1	Blue-White/Blue
Pair 2	Orange-White/Orange
Pair 3	Green-White/Green
Pair 4	Brown-White/Brown

Part Numbers

Part#	Color
36506	Blue
36507	White
36532	Yellow
36533	Green
36534	Black
36535	Gray

TITLE:		DESCRIPTION:		COMTRAN 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 Innovative Systems. Engineered Solutions.  A Marmon Wire & Cable/Berkshire Hathaway Company
CAT 6A REDUCED DIAMETER UTP PLENUM		4 Pair 23 AWG Solid Bare Copper Category 6A Reduced Diameter UTP Plenum				
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