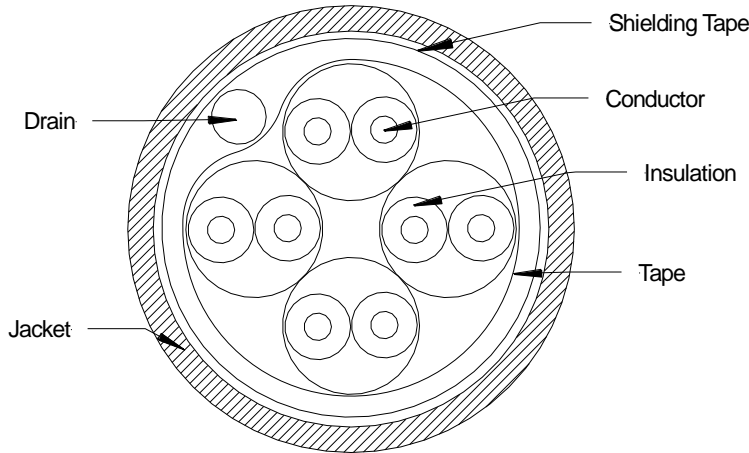


Category 5e F/UTP X-Link Industrial Ethernet Cable



1. Construction:

- 1.1. Conductors: 24 AWG Solid Bare Copper
- 1.2. Insulation: Cross-Linked Polyolefin Nom. 0.041"
- 1.3. Pair Assembly: Conductors Twisted to Varying Lays
- 1.4. Cable Assembly: 4 Pairs Cabled Together.
- 1.5. Tape: Flame Barrier Tape
- 1.6. Drain: 24 AWG Solid Bare Copper
- 1.7. Shield: Copper/Polyester, 25% Nom. Overlap
- 1.8. Jacket: Gray Cross-Linked Polyolefin, Nom .270"

1.9. JACKET PRINT:

COMTRAN CABLE LLC X-Link CAT5e F/UTP 24 AWG
NUCLEAR GRADE COMMUNICATION CABLE ETL
VERIFIED TO ANSI/TIA-568-C.2 CAT 5e (01-12345) 000002

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

2. Physical Characteristics:

- 2.1. Nominal Cable Weight: 47lbs./1,000 ft.
- 2.2. Installation Temperature Rating: -25°C to +90°C
- 2.3. Operation Temperature Rating: -40°C to +90°C

3. Compliance:

- 3.1. IEEE 383-1974 & 2003
- 3.2. IEEE 1202-1991 & FT-4
- 3.3. ICEA S-90-661
- 3.4. ETL Verified to ANSI/TIA-568-C.2
- 3.5. Oil & Gas Resistant

4. Category Electrical Performance:

- 4.1. Voltage Rating: 300V
- 4.2. Max. DC Resistance: 9.38Ω/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

TITLE:	DESCRIPTION	Comtran Cable LLC 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839
35954	4 Pair 24 AWG Solid Bare Copper Category 5e F/UTP X-Link Industrial Ethernet Cable	



Rev	Date	Detail	Eng.	App.	
4	4/21/16	Added Oil & Gas Resistant	BL	KN	
3	2/19/14	Jacket Color			
2	2/17/14	New Format	PA	KN	

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Category 5e F/UTP X-Link Industrial Ethernet Cable


Category 5e Electricals

(Per ANSI/TIA 568-C.2)

Freq.	Return Loss	Attenuation	NEXT	PSNEXT	ACRF	PSACRF
	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz.)	(Min)	(Max)	(Min)	(Min)	(Min)	(Min)
1	20	2	65.3	62.3	63.8	60.8
4	23	4.1	56.3	53.3	51.7	48.7
8	24.5	5.8	51.8	48.8	45.7	42.7
10	25	6.5	50.3	47.3	43.8	40.8
16	25	8.2	47.3	44.3	39.7	36.7
20	25	9.3	45.8	42.8	37.7	34.7
25	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.9	30.9
62.5	21.5	17	38.4	35.4	27.8	24.8
100	20.1	22	35.3	32.3	23.8	20.8

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

TITLE:		DESCRIPTION		Comtran Cable LLC 330A Turner Street South Attleboro, MA 02703 Phone: 508-399-7004 Fax: 508-399-8839		 <small>A Marmor Wire & Cable/Berkshire Hathaway Company</small>	
35954		4 Pair 24 AWG Solid Bare Copper Category 5e F/UTP X-Link Industrial Ethernet Cable					
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