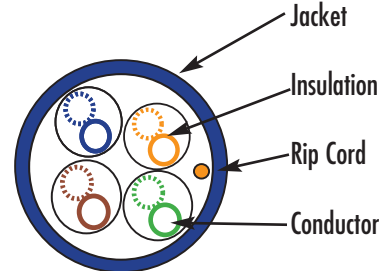


**Digital Integration Category 5E Cable
Plenum**

Rev.2. 5/02

Description:

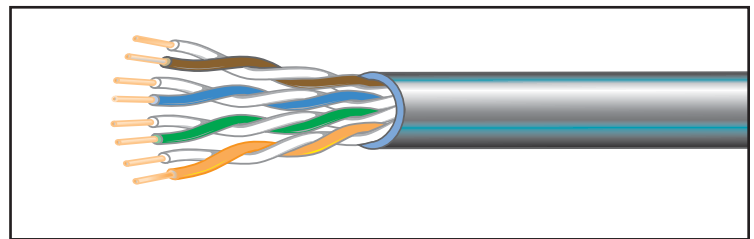
- Multiple pair Category 5E cable
- Enhanced UTP Category Cable
- 4 pair 24AWG unshielded
- FEP- Teflon insulation
- Each pair twisted in varied lays
- Thermoplastic Plenum jacket



Applications:

High performance horizontal wiring that meets or exceeds industry standards for:

- Analog and Digital voice systems
- Intercom systems
- Security (CCTV) systems
- 10 Base-T, 100 Base-T, and 1000 Base-T
- FDDI TP-PMD
- 16Mbps Token Ring
- Home Networking
- ATM 155Mbps
- 550 Mhz Broadband video and standards under development such as: 622Mbps ATM



Rating:

- UL listed NEC type CMP or MPP as defined in NEC Article 800
- Constructed in accordance with UL Standard 444
- Complies with UL 910 Test modified ASTM Steiner Tunnel Test
- Meets and Exceeds TIA/EIA 568-B.2 Specifications
- Verified to Category 5E requirements by independent third party testing laboratory

Color Code:

Pair No.	1st Conductor	2nd Conductor
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

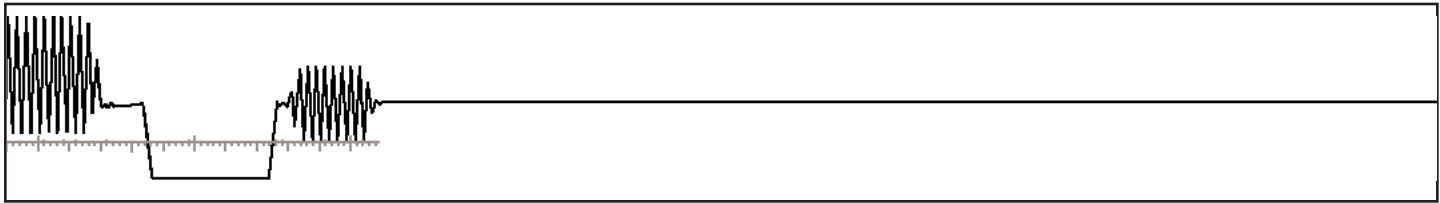
Installation Characteristics:

Cable Weight:	23lbs/1000ft (33kg/km)
Bending Radius:	1" (25.4mm)Min (4x Cable O.D.)
Pulling Tension:	25lbf (110N)
Operating Temp:	-34°C to +60°C (-30°F to +140°F)
Storage Temp:	-34°C to +75°C (-30°F to +167°F)
Installation Temp:	-20°C to +60°C (-4°F to +140°F)

Mechanical Characteristics	
Number of Pairs	4
Awg. Size	24
Conductor Type	Solid Bare Copper
Insulation	FEP- Teflon**
Nom. Jacket Thickness	.020 in (.51mm)
Nom. O.D.	.180 in. (4.75mm)
Jacket Type Color	Gray, Blue, White

**Teflon is a registered trademark of Dupont





Frequency Mhz	Attenuation			NEXT		ACR*	PS-NEXT		PS-ACR	ELFEXT	PS-ELFEXT	SRL (db)	RL (db)
	db/100m	db/100ft	min.	avg.	min.	min.	avg.	min.	min.	min.	min.		
.772	1.6	1.8	5.5	79	68.0	66.2	72	69.0	67.2	--	--	--	--
1.0	1.8	2.0	6.3	74	66.3	64.3	70	67.3	65.3	63.8	60.8	23.0	22.0
4.0	3.8	4.1	13	65	57.3	53.2	60	58.3	54.2	51.7	48.7	23.0	23.0
8.0	5.4	5.8	18	61	52.8	47.0	57	53.8	48.1	45.7	42.7	23.0	24.5
10.0	6.0	6.5	20	59	51.3	44.8	55	52.3	46.0	43.8	40.8	23.0	25.0
16.0	7.6	8.2	25	56	48.3	40.1	52	49.3	41.2	39.7	36.7	23.0	25.0
20.0	8.6	9.3	28	55	49.8	37.5	50	47.8	38.7	37.7	34.7	23.0	25.0
25.0	9.7	10.4	32	53	48.3	34.9	49	46.3	36.1	35.8	32.8	22.0	24.3
31.25	11.0	11.5	36	51	46.9	32.2	48	44.9	33.4	33.9	30.9	21.1	23.6
62.5	16.1	16.7	52	47	42.4	22.4	42	39.4	22.7	27.8	24.8	18.1	21.5
100.0	21.0	21.6	67	44	39.3	14.3	40	37.3	15.7	23.8	20.8	16.0	20.1
155.0	26.9	27.6	85	42	36.5	5.4	37	34.1	6.5	19.9	16.9	14.1	18.8
200.0	31.1	31.9	97	40	34.8	2.9	36	32.8	0.9	17.7	14.7	13.0	18.0
350.0	43.0	44.2	135	36	31.2	--	32	29.2	--	12.9	9.9	10.6	16.3

TIA/EIA 568-B.2 CABLE MINIMUM SPECIFICATION: 100Mhz

Up to 200Mhz minimum requirements
201-350Mhz Engineering information only

- Attenuation: 22dB
- NEXT: 35.3dB
- PS-NEXT: 32.3dB
- ELFEXT: 23.8dB
- PS-ELFEXT: 20.8dB
- Return Loss 20.1dB

