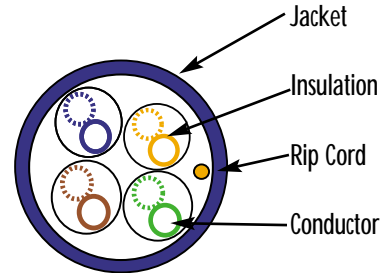


Digital Integration OSP Category 5E Cable

Rev.2. 5/02

Description:

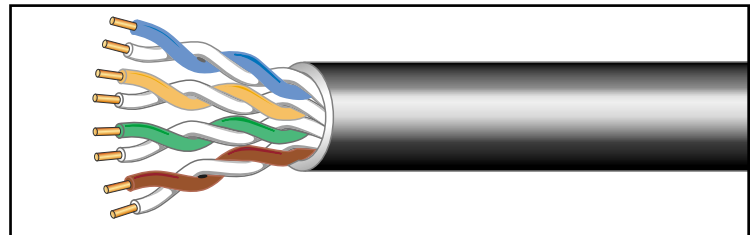
- Multiple pair Category 5E cable
- Enhanced UTP Category Cable
- 4 pair 24AWG unshielded
- Thermoplastic insulation
- Each pair twisted in varied lays
- Water Blocking Gel
- UV Resistance PE jacket



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:

- Outside Plant
- 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

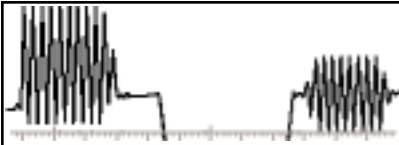
Installation Characteristics:

Cable Weight:	22lbs/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	Thermoplastic
Nom. Jacket Thickness	.020 in (.51mm)
Nom. O.D.	.251 in. (6.38 mm)
Jacket Type Color	Dark Gray

WEST PENN WIRE



Digital Integration USP Category 5E Cable

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

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



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