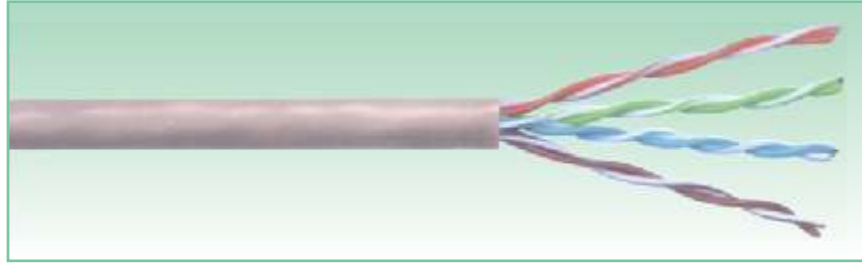


Category 5e+ UTP Solid Cable



Description

Digi-Link P200 Cat5e+ cable series consists of 100-Ohm impedance, 4-pair UTP cables for horizontal installations in local area networks (LANs). All cables meet and exceed Category 5e Class D performance requirements in TIA/EIA568 B2 and ISO/IEC 11801 standards. These cables are UL listed and UI & ETL Verified.

Applications

Digi-Link P200 Horizontal cables support all presently available LAN applications, including the following protocols:

- 100BASE-T Gigabit Ethernet
- TP-PMD
- 100BASE-T2
- 100BASE-TX
- ATM 52
- 10BASE-T Ethernet
- Broadband ve Baseband Video
- 1BASE-5 Starlan
- ITU V.21 and X.11
- ATM 155
- 100BASE-T Fast Ethernet
- 100BASE-T4
- Token Ring 100 Mbps
- ATM 25
- Token Ring 4 Mbps and 16 Mbps
- ISDN Basic and Primary Access
- ISALAN

Qualifications and Approvals

Digi-Link P200 Cables are tested and verified for full compliance with the following standards:

- Category 5e according to ANSI/TIA/EIA-568-B.2 extra polates till 200 MHz
- CLASS D according to IEC 61156-5 (for ISO/IEC-11801 2nd Edition) extra polates till 200 MHz

Benefits and Features

- ✓ Testing every box or reel of cable prior to shipment - providing the highest degree of quality assurance.
- ✓ Exceptional material properties and cable design - providing a unique Lifetime Warranty.*
- ✓ High ACR values - providing low BER (Bit-Error-Rate) in all applications.
- ✓ Extremely high pair-balance - providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation and maximizing noise immunity.
- ✓ Revolutionary pair lay scheme - providing an extremely low delay skew.
- ✓ Co-extruded crisp and clear spiral color coding of wires - providing positive wire identification and ease of installation.
- ✓ Descending sequential meter mark - providing easy stock and left-over handling.
- ✓ Smooth and rigid jacket - proving fast and easy cable pulling and installation.
- ✓ A comprehensive product range - providing all state-of-the-art cable constructions.
- ✓ Performance optimized up to 200 MHz

*If used in accordance with Digi-Link Life time warranty scheme.

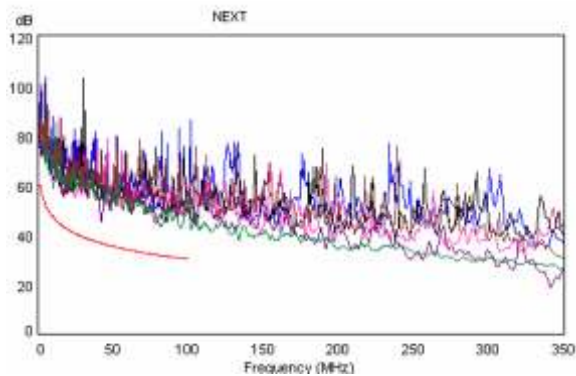
Category 5e+ UTP Solid Cable

Performance Characteristics TIA/EIA-568-B2												
FREQUENCY (MHz)	INSERTION LOSS (Attenuation) dB/100m		NEXT (db)		PSNEXT (db)		ELFEXT (db)		PSELFEXT (db)		RETURN LOSS (db)	
	Standard	Digi-Link	Standard	Digi-Link	Standard	Digi-Link	Standard	Digi-Link	Standard	Digi-Link	Standard	Digi-Link
0.72	1.8	1.3	67.0	80.2	64.0	77.20		86.6		70.0	17.0	21.8
1.00	2.3	2.0	62.8	74.2	59.8	72.20	56.8	77.3	53.8	69.5	17.0	22.7
4.00	4.4	4.0	53.6	73.0	50.6	63.00	45.4	65.0	42.4	57.3	17.0	29.8
8.00	6.3	5.8	48.6	70.7	45.6	59.20	39.3	58.7	36.3	50.9	17.0	32.0
10.00	7.1	6.5	47.0	67.3	44.0	56.80	37.4	49.6	34.4	49.0	17.0	34.6
16.00	9.1	8.2	43.6	63.0	40.6	54.00	33.3	45.5	30.3	44.9	17.0	31.3
20.00	10.2	9.2	42.0	58.2	39.0	51.30	31.4	43.6	28.4	42.9	17.0	29.4
25.00	11.4	10.4	40.3	52.0	37.3	49.40	29.4	41.9	26.4	40.9	16.0	23.7
31.25	12.9	11.6	38.7	48.0	35.7	46.60	27.5	46.0	24.5	39.1	15.1	24.8
62.50	18.6	16.7	33.6	42.9	30.6	40.80	21.5	41.8	18.5	33.9	12.1	19.0
100.00	24.0	21.4	30.1	40.2	27.1	36.90	17.4	39.4	14.4	31.2	10.0	18.4
200.00	**	31.1	**	35.0	**	31.90	**	30.8	**	24.0	**	15.3

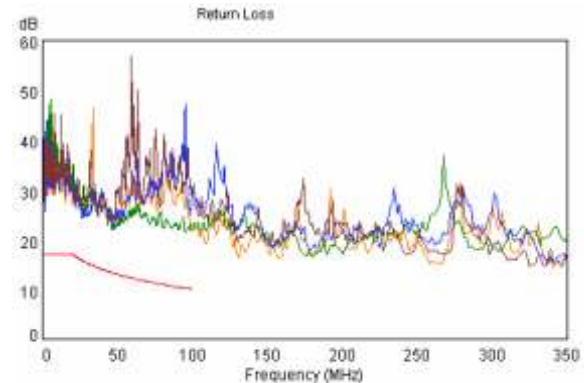
** Extrapolated Values

Characteristic Impedance	100±6 Ω @ 1-100 Mhz
DC Resistance	93 Ω/km (max)
Resistance unbalance	2% max.
Capacitance	45 pF/m nom. @ 1 KHz
Cap. Unbalance (wire to ground)	1500 pF/km max. @ 1 KHz.
Voltage rating	72 Vdc max.
Dielectric strength	1500 V/1 minute min rms
Velocity of Propagation (NVP)	67-69%
Insulation Resistance	500 mΩ km (min) @ 500 Vdc
Coupling attenuation	40 dB min @ 30-100 MHz
Transfer Impedance	N/A

Typical NEXT Loss



Typical Return Loss



Ordering Information

P/N	Description	Size	Wiring	Colour
DCEAUP4P3X	Solid Cable Cat5e+, UTP 4 Pair -305m	305m	EIA/TIA 568 A/B	Grey