Category 6 STP Information Outlets

Description

Digi-Link P350 STP Information Outlet series includes high quality, state-of-the-art faceplates for perfect and professional installations, needed to provide fully compliant copper cabling systems. All jacks fully conform to I/TIA/EIA-568-B.2-1 Category 6, and fully shielded keystone jacks Class E ISO/IEC-11801 (2nd Edition). Proper use of Digi-Link information outlets along with all Digi-Link cabling components provide high-quality cabling systems that are supported by the Lifetime Warranty.

Digi-Link P350 Shielded information outlet acts as a connection point for the customer premises equipment. They are highly recommended for use in the areas wherein the horizontal cabling is in proximity to electrical facilities that generate high levels of electromagnetic interference. Motors, generator sets, transformers are the possible sources of interferences. So also are the heavy-duty photocopiers, printers that generate spontaneous noises during use. The shielded wall information outlets have been engineered to ensure full-featured end-to-end connectivity that surpasses Category 6 requirements. The perfect fit connector holder design helps easy snap in and removal of the keystone jacks. The cable tie anchor point provides highly effective strain relief for cables.

Applications

Digi-Link P350 Horizontal STP cables support all presently available and future LAN applications, including the following protocols:

- 1000BASE-TX Gigabit Ethernet
- TP-PMD
- 100BASE-T4
- ATM 52
- Token Ring 4 Mbps and 16 Mbps
- 1BASE-5 Starlan
- 1000BASE-T Gigabit Ethernet
- 100BASE-T Fast Ethernet
- 100BASE-TX
- ATM 25
- Broadband and Baseband Video
- ISALAN
- ATM 155
- 100BASE-T2
- Token Ring 100 Mbps
- 10BASE-T Ethernet
- ISDN Basic and Primary Access
- ITU V.21 and X.11

Qualifications and Approvals

Digi-Link P350 STP Information Outlet series are supported by Lifetime Warranty

Digi-Link P350 STP Information Outlet series comply to IEC 60603 and to the following standards:

Transmission:

- ANSI/TIA/EIA-568-B.2-1
- ISO/IEC-11801
- ETL verified

Safety:

- Ul94 V-0 rated plastic materials
- RoHS complaince

Benefits and Features

- Exceptional material properties and design - providing a unique Lifetime Warranty.
- Modular design - providing easier access, better and faster wire connection.
- Detailed installation manual in English - providing clear and comprehensive instructions.
- Exceeding Category 6 performance - providing full support to Gigabit Ethernet.
- Robust and installer-friendly design - providing reduced installation and operating costs
- Compatible with 22-26 AWG solid or stranded conductors - providing support to a wider range of cabling types.
- Available in T568A, T568B or Universal pin/pair assignment - providing a wider product range.

Physical and Mechanical Properties

Housing Material	High impact, Flame-retardant plastic compound, UL 94 V-0.
Sheild Cover	High grade metal cover
Jack Contacts Material	Phosphor bronze 50µ" gold over 100µ" nickel plating
Environmental conditions	-40°C to +60°C at 0-90% RH (Non condensing)
Packaging	25 units per box (one set per poly bag)
Plug Retention Force	14 Kgf (140N) min.
Plug to jack contact force	100 gr. min. (using Digi-Link approved plug).
Storage Temperature	-20°C to +80°C
Plug insertion durability	750 mating cycles
Conductor compatibility range	22 to 26 AWG, solid or stranded
Standard Color	White, Other colors available upon request.

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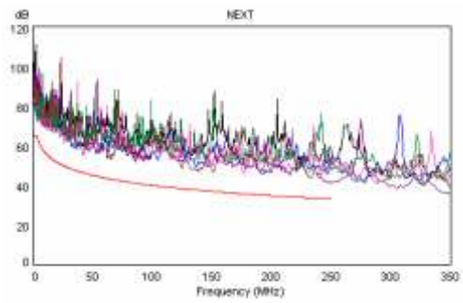
Performance Characteristics TIA/EIA-568-B2-1

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	1.1	76.0	83.3	74.0	80.2	70.0	87.2	67.0	77.2		28.2
1.00	2.0	1.6	74.3	79.2	72.3	76.7	67.8	82.3	64.8	75.7	19.0	24.7
4.00	3.8	3.2	65.3	72.9	63.3	69.1	55.8	70.2	52.8	63.6	19.0	29.7
8.00	5.3	4.9	60.8	71.1	58.8	65.2	49.7	64.9	46.7	58.7	19.0	27.0
10.00	6.0	5.5	59.3	70.8	57.3	63.6	47.8	64.5	44.8	57.9	19.0	28.1
16.00	7.6	7.1	56.2	71.3	54.2	63.8	43.7	60.1	40.7	55.7	18.0	31.6
20.00	8.5	7.9	54.8	68.4	52.8	60.7	41.8	59.1	38.8	52.5	17.5	28.9
25.00	9.5	8.8	53.3	64.4	51.3	56.0	39.8	57.4	36.8	49.4	17.0	27.9
31.25	10.7	9.2	51.9	60.7	49.9	54.3	37.9	57.3	34.9	47.5	16.5	30.9
62.50	15.4	13.0	47.4	56.0	45.4	48.3	31.9	46.0	28.9	39.4	14.0	20.5
100.00	19.8	16.2	44.3	52.2	42.3	45.3	27.8	44.8	24.8	36.5	12.0	18.2
200.00	29.0	23.6	39.8	46.1	37.8	39.9	21.8	36.4	18.8	28.8	9.0	16.0
250.00	32.9	26.6	38.3	45.2	36.3	38.0	19.8	36.7	16.8	29.7	8.0	16.4
300.00	**	32.0	**	43.3	**	37.5	**	37.4	**	29.4	**	15.2
350.00	**	38.2	**	41.7	**	35.9	**	33.7	**	26.6	**	13.1

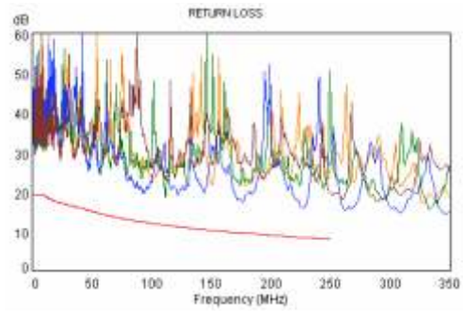
** Extrapolated Values

Characteristic Impedance	100±6 Ω @ 1-300 MHz
DC Resistance	72 Ω/km max.
Resistance unbalance	2% max.
Capacitance	45 pF/m nom. @ 1 KHz
Cap. Unbalance (wire to ground)	1500 pF/Km
Voltage rating	72 Vdc max.
Dielectric strength	1500 V/1 minute min rms
Velocity of Propagation (NVP)	67-69%
Insulation Resistance	500 HΩ km@ 500 Vdc
Coupling attenuation	40 dB min @ 30-100 MHz 40-20Log(f/100) @100-300 MHz
Transfer Impedance	N/A

Typical NEXT Loss



Typical Return Loss



Ordering Information

P/N	Description	Ports	Dimensions	
			L	W
DC6IOSMSXXXX	Cat6 Shielded Information Outlet - Single	-	86	86
DC6IODMSXXXX	Cat6 Shielded Information Outlet - Dual	-	86	86
DC6IOQMSXXXX	Cat6 Shielded Information Outlet - Quad	-	147	86