

# 4-Pair and 2-Pair Category 5E Unshielded RJ-45 to TELCO Copper Patch Panels

## DataLink 100e

### TRANSMISSION AND ELECTRICAL SPECIFICATIONS

FREQ.	Insertion Loss		NEXT		FEXT		RL	
	dB/100m		dB		dB		dB	
MHz	Nom	Max	Nom	Min	Nom	Min	Nom	Min
1.00	0.02	0.10	85.0	65.0	77.0	65.0	55.0	30.0
4.00	0.03	0.10	75.0	65.0	65.0	63.1	50.0	30.0
8.00	0.04	0.11	70.0	64.9	60.0	57.0	48.0	30.0
10.00	0.04	0.13	68.0	63.0	58.0	55.1	42.0	30.0
16.00	0.05	0.16	64.0	58.9	54.0	51.0	40.0	30.0
25.00	0.06	0.20	60.0	55.0	50.0	47.1	35.0	30.0
31.25	0.07	0.22	58.0	53.1	48.0	45.2	33.0	30.0
62.50	0.11	0.32	52.0	47.1	42.0	39.1	28.1	24.1
100.00	0.15	0.40	45.0	43.0	38.0	35.1	24.0	20.0

Propagation Delay	2.5 nS max @ 1-100 MHz
Propagation Delay Skew	1.25 nS max @ 1-100 MHz
Current Rating	1.5 A max.
Contact Resistance	20 mOhm max (per contact)
Input/Output Resistance	200 mOhm max
Input/Output Resistance Unbalance	50 mOhm max
Voltage Rating	72 Vdc max
Dielectric Strength	1000 Volts rms for 1 minute
Insulation Resistance	500 MegaOhm min @ 500 Vdc
DC Resistance	0.1 Ohm max @ 20C
TCL	28-20-Log(f/100) dB min @ 1-100 MHz
Transfer Impedance	N/A

### ORDERING INFORMATION

HCS P/N	Description	TELCO Blocks	Units	Size		Notes
				mm	Inch	
P5E-T2401-1U	24 port RJ-45 to TELCO Unshielded CAT5E 19" Panel	4	1u	43.7x482.6	1.75x19	-
P5E-T4801-2U	48 port RJ-45 to TELCO Unshielded CAT5E 19" Panel	8	2u	87.4x482.6	3.44x19	-
P5E-T2402-2U	24 port RJ-45 to TELCO Unshielded 2P 19" Panel	2	2u	43.7x482.6	3.44x19	-
P5E-T4802-2U	48 port RJ-45 to TELCO Unshielded 2P 19" Panel	4	2u	87.4x482.6	3.44x19	-

HCS P/N	Modular Cords Description	Plugs	Length	Notes
T5E-T02510-XX	25x2x24# UTP CAT 5E PVC RJ21 modular Cord Gray	TELCO 180° to 180°	XXm	-
T5E-T02520-XX	25x2x24# UTP CAT 5E LSOH RJ21 modular Cord Gray	TELCO 180° to 180°	XXm	-
T5E-T02530-XX	25x2x24# UTP CAT 5E PVC RJ21 modular Cord Gray	TELCO 110° to 180°	XXm	-
T5E-T02540-XX	25x2x24# UTP CAT 5E LSOH RJ21 modular Cord Gray	TELCO 110° to 180°	XXm	-
T5E-T02550-XX	25x2x24# UTP CAT 5E PVC RJ21 modular Cord Gray	TELCO 110° to 110°	XXm	-
T5E-T02560-XX	25x2x24# UTP CAT 5E LSOH RJ21 modular Cord Gray	TELCO 110° to 110°	XXm	-

