

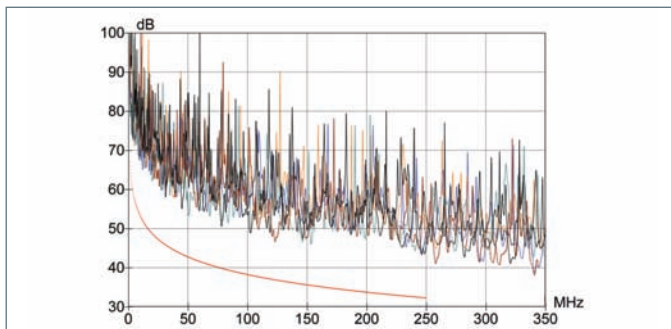
Category 5e U/UTP 100 Ohm Horizontal LAN Cables

Transmission Properties and Electrical Specifications

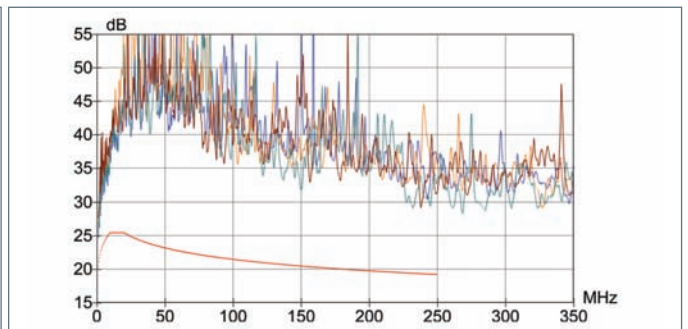
Frequency	Insertion Loss		NEXT		PS NEXT		EL FEXT		PS EL FEXT		RL		SKEW	Prop. Delay	TCL
	dB/100m		dB		dB		dB/100m		dB/100m		dB		nS/100m	nS/100m	dB
MHz	Max	Nom	Min	Nom	Min	Nom	Min	Nom	Min	Nom	Min	Nom	Max	Max	Min
1.00	2.1	1.8	68.3	90	66.3	86	67.8	90	65.8	87	20.0	30	40.0	550	40.0
4.00	4.1	3.7	59.3	75	57.3	71	55.7	80	53.7	77	23.3	35	40.0	532	34.0
8.00	5.8	5.3	54.8	70	52.8	66	49.7	75	47.7	72	25.0	35	40.0	527	31.0
10.00	6.5	6.0	53.3	67	51.3	63	47.8	70	45.8	67	25.5	35	40.0	525	30.0
16.00	8.2	7.6	50.3	65	48.3	61	43.7	65	41.7	62	25.5	40	40.0	523	28.0
25.00	10.3	9.6	47.3	63	45.3	59	39.8	60	37.8	57	25.5	40	40.0	521	26.0
31.25	11.5	10.7	45.9	60	43.9	56	37.9	55	35.9	52	24.4	40	40.0	520	25.1
62.50	16.4	15.3	41.4	58	39.4	54	31.8	50	29.8	47	22.7	35	40.0	519	22.0
100.00	21.0	19.8	38.3	53	36.3	49	27.8	45	25.8	42	21.5	35	40.0	518	20.0
200.00	30.2	28.5	33.8	50	31.8	46	21.7	40	19.7	37	19.0	30	40.0	517	17.0
250.00	34.0	33.0	32.3	47	30.3	43	19.8	35	17.8	32	18.4	30	40.0	516	16.0

Characteristic Impedance	100±6 Ohm @ 1-100 MHz
DC Resistance	93 Ohm/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 Volts/1 minute min rms
Velocity of Propagation (NVP)	67-69%
Insulation Resistance	5000 MegaOhm • Km min. @ 500 Vdc
Coupling attenuation	40 dB min @ 30-100 MHz
Transfer Impedance	N/A

Typical NEXT Loss



Typical Return Loss



Ordering Information

HCS P/N	Description	OD mm	Weight Kg/Km	Cal. Value Kj/m	Packaging	Notes
H5E-00401-BK	4x2x24# U/UTP CAT 5e PVC Grey	4.8	30	475	305m Reelex II™	-
H5E-00401-BP	4x2x24# U/UTP CAT 5e PVC Grey	4.8	30	475	500m Reelex II™	-
H5E-00401-DP	4x2x24# U/UTP CAT 5e PVC Grey	4.8	30	475	500m Drum	-
H5E-00401-DM	4x2x24# U/UTP CAT 5e PVC Grey	4.8	30	475	1000m Drum	-
H5E-00402-BK	4x2x24# U/UTP CAT 5e LS0H Grey	4.8	30	485	305m Reelex II™	-
H5E-00402-DP	4x2x24# U/UTP CAT 5e LS0H Grey	4.8	30	485	500m Drum	-
H5E-00402-DM	4x2x24# U/UTP CAT 5e LS0H Grey	4.8	30	485	1000m Drum	-
H5E-00803-DP	2x(4x2x24#) U/UTP CAT 5e PVC Grey	4.8x9.6	60	950	500m Drum	FIG-8
H5E-00803-DM	2x(4x2x24#) U/UTP CAT 5e PVC Grey	4.8x9.6	60	950	1000m Drum	FIG-8
H5E-00804-DP	2x(4x2x24#) U/UTP CAT 5e LS0H Grey	4.8x9.6	60	970	500m Drum	FIG-8
H5E-00804-DM	2x(4x2x24#) U/UTP CAT 5e LS0H Grey	4.8x9.6	60	970	1000m Drum	FIG-8

Note: Standard jacket color: Light Gray RAL 7035. Other colors available upon request.