

TRANSMISSION PROPERTIES AND ELECTRICAL SPECIFICATIONS

FREQ.	Insertion Loss	NEXT	PS NEXT	EL FEXT	PS EL FEXT	RL	(SKEW)	(Propagation Delay)	TCL
MHz	dB/100m	dB	dB	dB/100m	dB/100m	dB	nS/100m	nS/100m	dB
	Max	Min	Min	Min	Min	Min	Max	Max	Min
1.00	3.0	65.3	62.3	63.8	60.8	20.0	45.0	570.0	40
4.00	6.0	56.3	53.3	51.7	48.7	23.0	45.0	552.0	34
10.00	9.5	50.3	47.3	43.8	40.8	25.0	45.0	545.4	30
16.00	12.1	47.3	44.3	39.7	36.7	25.0	45.0	543.0	28
25.00	15.2	44.3	41.3	35.8	32.8	24.2	45.0	541.2	26
31.25	17.1	42.9	39.9	33.9	30.9	23.3	45.0	540.4	25
62.50	24.8	38.4	35.4	27.8	24.8	20.7	45.0	538.6	22
100.00	32.0	35.3	32.3	23.8	20.8	19.0	45.0	537.6	20

Characteristic Impedance	100±6 Ohm @ 1-100 MHz.
Resistance Unbalance	2% max.
Capacitance	47 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	65 dB min @ 30-100 MHz
Transfer Impedance	30 mOhm/m max. @ 1-30 MHz

ORDERING INFORMATION

HCS P/N	Description	OD mm	Weight Kg/Km	Cal. Value Kj/m	Packaging	Notes
T5E-00450-DP	4x2x26# SF/UTP CAT 5E PVC Gray	5.7	38	400	500m Drum	
T5E-00450-DM	4x2x26# SF/UTP CAT 5E PVC Gray	5.7	38	400	1000m Drum	
T5E-00460-DP	4x2x26# SF/UTP CAT 5E LSOH Gray	5.7	37	395	500m Drum	
T5E-00460-DM	4x2x26# SF/UTP CAT 5E LSOH Gray	5.7	37	395	1000m Drum	

Note: Standard Jacket Color: Light Gray RAL 7035. Other colors available upon request.