

Category 3 F/UTP 100 Ohm
Horizontal and Backbone
Outdoor LAN Cables

DataLink 16

TRANSMISSION PROPERTIES AND ELECTRICAL SPECIFICATIONS

FREQ.	Insertion Loss	PS NEXT	PS EL FEXT	PS IO FEXT	RL & SRL	(Propagation Delay)
MHz	dB/100m	dB	dB/100m	dB/100m	dB	nS/100m
	Max	Min	Min	Min	Min	Max
1.00	2.6	41.0	39	42	12.0	570.0
4.00	5.6	32.3	27	33	12.0	552.0
10.00	9.7	26.3	19	29	12.0	545.4
16.00	13.0	23.3	15	28	10.0	543.0

Characteristic Impedance	100±15 Ohm @ 1-16 MHz
Resistance Unbalance	5% max.
Capacitance	66 pF/m max. @ 1 KHz
Cap. Unbalance (Wire to Ground)	3300 pF/Km max. @ 1 KHz.
Voltage Rating	72 Vdc max.
Dielectric Strength	1500 Volts/1 minute rms
Velocity of Propagation (NVP)	67-69%
Insulation Resistance	5000 MegaOhm•Km min. @ 500 Vdc
Transfer Impedance	50 mOhm/m @ 1 MHz. 100 mOhm/m @ 10 MHz.

COLOR CODE - WIRE COLOR INSIDE EACH 25-PAIR GROUP

Pair No.	Color Code	Pair No.	Color Code
1	White x Blue	13	Black x Green
2	White x Orange	14	Black x Brown
3	White x Green	15	Black x Gray
4	White x Brown	16	Yellow x Blue
5	White x Gray	17	Yellow x Orange
6	Red x Blue	18	Yellow x Green
7	Red x Orange	19	Yellow x Brown
8	Red x Green	20	Yellow x Gray
9	Red x Brown	21	Violet x Blue
10	Red x Gray	22	Violet x Orange
11	Black x Blue	23	Violet x Green
12	Black x Orange	24	Violet x Brown
		25	Violet x Gray

ORDERING INFORMATION

HCS P/N	Description	OD mm	Weight Kg/Km	Packaging	Notes
H03-02513-DM	25x2x24# F/UTP CAT3 Outdoor Black	14.0	220	1000m Drum	
H03-05013-DM	50x2x24# F/UTP CAT3 Outdoor Black	18.9	430	1000m Drum	
H03-10013-DM	100x2x24# F/UTP CAT3 Outdoor Black	24.8	915	1000m Drum	
H03-20013-DP	200x2x24# F/UTP CAT3 Outdoor Black	33.0	1265	500m Drum	
H03-30013-DP	300x2x24# F/UTP CAT3 Outdoor Black	38.5	1870	500m Drum	
H03-40013-DP	400x2x24# F/UTP CAT3 Outdoor Black	45.0	2420	500m Drum	
H03-60013-DP	600x2x24# F/UTP CAT3 Outdoor Black	54.0	3575	500m Drum	
H03-90013-DP	900x2x24# F/UTP CAT3 Outdoor Black	66.0	5390	500m Drum	