

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

**DataLink 16**

**TRANSMISSION PROPERTIES AND ELECTRICAL SPECIFICATIONS**

FREQ.	Insertion Loss	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	N/A

**ORDERING INFORMATION**

HCS P/N	Description	OD mm	Weight Kg/Km	Packaging	Notes
H03-00403-DP	4x2x24# U/UTP CAT3 Black	6.5	42	500m Drum	-
H03-00403-DM	4x2x24# U/UTP CAT3 Black	6.5	42	1000m Drum	-
H03-02503-DM	25x2x24# U/UTP CAT3 Black	12.7	200	1000m Drum	-
H03-10003-DM	100x2x24# U/UTP CAT3 Black	22.5	830	1000m Drum	-
H03-20003-DP	200x2x24# U/UTP CAT3 Black	30.0	1150	500m Drum	-
H03-30003-DP	300x2x24# U/UTP CAT3 Black	35.0	1700	500m Drum	-
H03-40003-DP	400x2x24# U/UTP CAT3 Black	41.0	2200	500m Drum	-
H03-60003-DP	600x2x24# U/UTP CAT3 Black	49.0	3250	500m Drum	-
H03-90003-DP	900x2x24# U/UTP CAT3 Black	60.0	4900	500m Drum	-