

**TRANSMISSION PROPERTIES AND ELECTRICAL SPECIFICATIONS**

FREQ.	Insertion Loss	NEXT	PS NEXT	SRL	Zo	(Propagation Delay)
MHz	dB/100m	dB	dB	dB	Ohm	nS/100m
	Max	Min	Min	Min		Max
0.772	1.8	64.0	64.0	23.0	100+/-15	575.0
1.00	2.0	62.3	62.3	23.0	100+/-15	570.0
4.00	4.1	53.3	53.3	23.0	100+/-15	552.0
8.00	5.8	48.8	48.8	23.0	100+/-15	546.7
10.00	6.5	47.3	47.3	23.0	100+/-15	545.4
16.00	8.2	44.3	44.3	23.0	100+/-15	543.0
25.00	10.4	41.3	41.3	22.0	100+/-15	541.2
31.25	11.7	39.9	39.9	21.1	100+/-15	540.4
62.50	17.0	35.4	35.4	18.1	100+/-15	538.6
100.00	22.0	32.3	32.3	16.0	100+/-15	537.6

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 minutes rms
Velocity of Propagation (NVP)	67-69%
Insulation Resistance	152 MegaOhm•Km min. @ 500 Vdc

**ORDERING INFORMATION**

HCS P/N	Description	OD mm	Weight Kg/Km	Cal. Value Kj/m	Packaging	Notes
H05-00411-DP	4x2x24# F/UTP CAT5 PVC Gray	5.9	38	480	500m Drum	-
H05-00411-DM	4x2x24# F/UTP CAT5 PVC Gray	5.9	38	480	1000m Drum	-
H05-00412-DP	4x2x24# F/UTP CAT5 LSOH Gray	5.9	38	480	500m Drum	-
H05-00412-DM	4x2x24# F/UTP CAT5 LSOH Gray	5.9	38	480	1000m Drum	-
H05-00811-DM	8x2x24# F/UTP CAT5 PVC Gray	8.8	65	960	1000m Drum	-
H05-00812-DM	8x2x24# F/UTP CAT5 LSOH Gray	8.8	65	960	1000m Drum	-
H05-01611-DM	16x2x24# F/UTP CAT5 PVC Gray	9.7	135	1600	1000m Drum	-
H05-01612-DM	16x2x24# F/UTP CAT5 LSOH Gray	9.7	135	1600	1000m Drum	-
H05-02511-DM	25x2x24# F/UTP CAT5 PVC Gray	14.0	235	3000	1000m Drum	-
H05-02512-DM	25x2x24# F/UTP CAT5 LSOH Gray	14.0	235	3000	1000m Drum	-
H05-05011-DM	50x2x24# F/UTP CAT5 PVC Gray	14.1x28.2	480	6000	1000m Drum	2x25P
H05-05012-DM	50x2x24# F/UTP CAT5 LSOH Gray	14.1x28.2	480	6000	1000m Drum	2x25P
H05-10011-DP	100x2x24# F/UTP CAT5 PVC Gray	34.0	890	11500	500m Drum	4x25P
H05-10011-DM	100x2x24# F/UTP CAT5 PVC Gray	34.0	890	11500	1000m Drum	4x25P
H05-10012-DP	100x2x24# F/UTP CAT5 LSOH Gray	34.0	890	11500	500m Drum	4x25P
H05-10012-DM	100x2x24# F/UTP CAT5 LSOH Gray	34.0	890	11500	1000m Drum	4x25P

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