

## Cat.6 UTP Horizontal Cable

### Part Number:

D1-6UC-CC 305m reel in-box packing  
 D1-6UC-CC 100m reel in-box packing  
 D'ONE Infra 500MHz Cat.6 4 pair UTP OMR Cable

### CC : Color Code

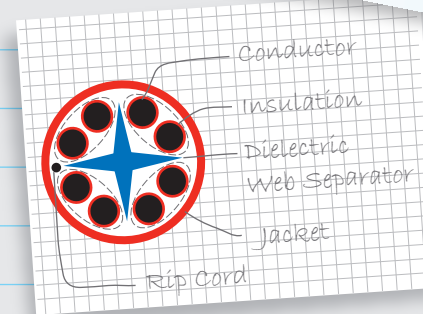
BK ~ Black, GR ~ Grey, BL ~ Blue, GN ~ Green,  
 RD ~ Red, WH ~ White, YW ~ Yellow, OR ~ Orange



> LSZH ( Suffix with Part Number means LSZH Jacket )  
 > OD (Suffix with Part Number means OUTDOOR)

### Product Description

: Rated temperature: 75° C  
 : 4 Pairs 23AWG solid bare copper conductor  
 : High density PE insulation  
 : Dielectric web separator  
 : Flame retardant PVC jacket  
 : Rip cord under jacket  
 : Minimum bending radius: O.D. X 6  
 : Maximum pull strength: 86.6N  
 : Low smoke zero halogen (LSZH) optional



### Electric Property

Impedance: 100± 15Ω  
 Normal velocity propagation delay: 69%  
 Propagation Delay Skew: 45ns/100m

### Qualifications & Approvals

ANSI/TIA/EIA-568-B.2-1 Cat.6  
 ISO/IEC 11801  
 UL CMR  
 CSA CMG FT4

### Application

4 Mbps Token Ring  
 16 Mbps Token Ring  
 155 Mbps ATM  
 622 Mbps ATM  
 100Base-TX (Fast Ethernet)  
 1000Base-T (Gigabit Ethernet)  
 • ISDN  
 • Analog voice and digital voice (VOIP)  
 • Analog (broadband, baseband) and digital video.

### Transmission Properties ( 20°C ± 3°C )

Frequency (MHz)	Insertion Loss dB/100m (max.)	Next dB/100m (min.)	PS-Next dB/100m (min.)	Elfext dB/100m (min.)	PS-Elfext dB/100m (min.)	Return Loss dB/100m (min.)
1	2.0	74.3	72.3	67.8	64.8	20.0
4	3.8	65.3	63.3	55.8	52.8	23.0
8	5.3	60.8	58.8	49.7	46.7	24.5
10	6.0	59.3	57.3	47.8	44.8	25.0
16	7.6	56.2	54.2	43.7	40.7	25.0
20	8.5	54.8	52.8	41.8	38.8	25.0
25	9.5	53.3	51.3	39.8	36.8	24.3
31.25	10.7	51.9	49.9	37.9	34.9	23.6
62.5	15.4	47.4	45.4	31.9	28.9	21.5
100	19.8	44.3	42.3	27.8	24.8	20.1
200	29.0	39.8	37.8	21.8	18.8	18.0
250	32.8	38.3	36.3	19.8	16.8	17.3