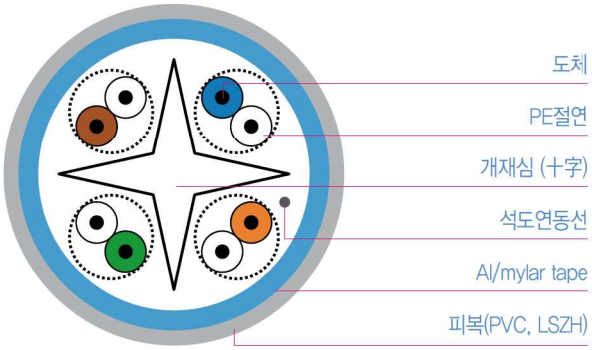
Category 6A F/UTP Cable 4 Pair

Structure



Application

- Cat.6A 의 고성능 10G전송
- TIA-568 C.2 KS C 3342 전기적 성능 만족
- 1~500MHz 주파수 전송 지원
- F/UTP 구조로 Alien crosstalk 만족
- RoHS 만족
- Horizontal Distribution & Backbone Cabling
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10/100/1000/10G BASE-T (IEEE 802.3)
- 155 Mbps ATM
- 100 Mbps TP-PMD
- ISDN, ADSL

Description

표준품명	쌍	도체경	완성외경 (Nom. mm)	개산중량 (약 kg/km)	포장
F/UTP-CAT-6A/CMX F/UTP-CAT-6A/CM F/UTP CAT 6A/CMR F/UTP-CAT-6A/LSZH	4	Solid copper (23AWG)	7.2	50	300m Reel 500m Reel

Electrical Characteristics

- 도체 저항 : 9.38ohms / 100m ↓
- 도체 저항 불평형 : 4% ↓
- 정전 용량 : 5.6nF / 100m ↓
- 정전 용량 불평형 : 330pF / 100m ↓
- 특성 임피던스 : 100 ± 15ohms

Flame Test

- CMX : UL 1581, IEC 60332-1
- CM : UL 1685
- CMR : UL 1666
- LSZH : IEC 60332-1, IEC 61034, IEC 60754-2

Specification

주파수 (MHz)	감쇄량 (Max)	근단누화 (Min)	근단누화 전력합 (Min)	원단누화 (Min)	원단누화 전력합 (Min)	반사 손실 (Min)	외부 근단누화 전력합 (Min)	외부 원단누화 전력합 (Min)
1	2.1	74.3	72.3	67.8	64.8	20.0	67.0	67.0
4	3.8	65.3	63.3	55.8	52.8	23.0	67.0	66.2
8	5.3	60.8	58.8	49.7	46.7	24.5	67.0	60.1
10	5.9	59.3	57.3	47.8	44.8	25.0	67.0	58.2
16	7.5	56.2	54.2	43.7	40.7	25.0	67.0	54.1
20	8.4	54.8	52.8	41.8	38.8	25.0	67.0	52.2
25	9.4	53.3	51.3	39.8	36.8	24.3	67.0	50.2
31.25	10.5	51.9	49.9	37.9	34.9	23.6	67.0	48.3
62.5	15.0	47.4	45.4	31.9	28.9	21.5	65.6	42.3
100	19.1	44.3	42.3	27.8	24.8	20.1	62.5	38.2
200	27.6	39.8	37.8	21.8	18.8	18.0	58.0	32.2
250	31.1	38.3	36.3	19.8	16.8	17.3	56.5	30.2
300	34.3	37.1	35.1	18.3	15.3	16.8	55.3	28.7
400	40.1	35.3	33.3	15.8	12.8	15.9	53.5	26.2
500	45.3	33.8	31.8	13.8	10.8	15.2	52.0	24.2

※ 단위 : dB/100m