Unshielded Twisted Pair Enhanced Category 5 KS C 3342

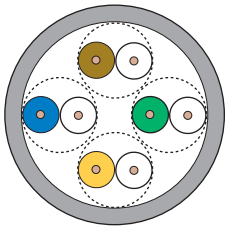
CM, CMR, CMP

■ 적용규격

- ANSI/EIA/TIA 568B
- UL 444, 444(13)
- UL 1581(CM), UL 1666(CMR), UL 910(CMP)
- ㈜KS C 3342

■ 사용용도

- 옥내 수평 및 간선 배선망 (100MHz)
- 155 Mbps ATM PMD
- IEEE 802.3
- IEEE 802.5
- 16 Mbps Token Ring
- 100 Bass-VG, -T4, -X etc.



■ 구 조

종류 Item	도체 Conductor	절연 Insulation	피복 Sheath
CM, CMR	연동선 0.518(AWG24)	HDPE	FR-PVC
CMP	연동선 0.518(AWG24)	TEFLON	LS-PVC

종류 Item	구분 Pair	절연외경 Insulation Dia mm	외경 Cable mm	중량 Weight kg/300m	포장 Packing
CM, CMR	4	0.90	5.0	10	Box
CMP	4	0.88	5.0	10	Box

■ 전기적 특성

• DC Resistance	[Ohms/100m]	Max. 9.38
• Resistance Unbalance	[%]	Max. 5
• Mutual Capacitance	[nF/100m]	Max. 5.5
• Capacitance Unbalance to ground	[pF/100m]	Max. 330

주파수 Frequency MHz	특성임피던스 Impedance Ω	감쇄량 Attenuation Max.dB/100m	NEXT Min.dB≥100m	Power Sum NEXT Min.dB≥100m	ACR Min.dB	ELFEXT Min.dB/ 100m	Power Sum ELFEXT Min.dB/100m
0.772	-	1.8	67.0	64.0	65.2	66.0	63.0
1	100 ±15	2.0	65.3	62.3	63.2	63.8	60.8
4	100 ±15	4.1	56.3	53.3	52.2	51.7	48.7
8	100 ±15	5.8	51.8	48.8	46.0	45.7	42.7
10	100 ±15	6.5	50.3	47.3	43.8	43.8	40.8
16	100 ±15	8.2	47.3	44.3	39.1	39.7	36.7
20	100 ±15	9.3	45.3	42.8	36.5	37.7	34.7
25	100 ±15	10.4	44.8	41.3	33.9	35.8	32.8
31.25	100 ±15	11.7	42.9	39.9	31.2	33.9	30.9
62.5	100 ±15	17.0	38.4	35.4	21.4	27.8	24.8
100	100 ±15	22.0	35.3	32.3	13.3	23.8	20.8