

CAT5e U/UTP - Data Cable

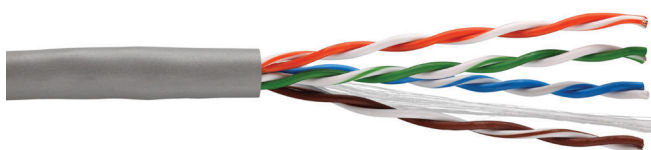
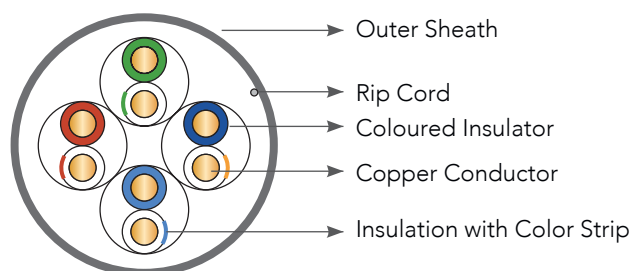
PRODUCT DESCRIPTION

24 AWG copper wire insulated with Polyethylene. Two insulated conductors twisted together to form a pair and four such pairs laid up to form the core unit jacketed with flame retardant PVC/ LSZH. Enhanced performance cable enables delivering high speed network.

FEATURES

Flame Rating

PVC-CM/CMR/CMX
LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2
Specified and tested upto 100MHz
Compliant to American Standard ANSI/TIA 568-C.2,
International Standard ISO/IEC 11801 Class D
25 years system warranty available



PRODUCT APPLICATION

10 Base T (IEEE 802.3)
100 Base T (IEEE 802.3U)
1000 BASE-T (IEEE 802.3ab)
TP-PMD (ANSI X3T9.5)
100 Mbps CDDI
ATM 155
4/16 Mbps Token Ring (IEEE 802.5)
Meets IEEE802.3af & 802.3at PoE

COLOUR CODE

PAIR	SPECIFICATIONS
1	Blue - White Blue
2	Orange - White Orange
3	Green - White Green
4	Brown - White Brown

JACKET COLOURS

Blue, Grey, Green, Orange or Customer Specific Colours



UL Listed CM, CMR, CMX @ 75°C., ETL Verified
Certification is applicable to specific product part no.

PRODUCT SPECIFICATION

Mechanical & Environmental Characteristics

CHARACTERISTIC	SPECIFICATIONS
Maximum tensile load	110 N (installation)
Minimum bend radius	4 x cable outer diameter
Temperature	0°C to +50°C (installation) -10°C to +60°C (operation)



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TRANSMISSION/CHARACTERISTICS - 100M

Characteristics	Frequency (Mhz)	1.00	4.00	8.00	10.00	16.00	20.00	25.00	31.25	62.50	100
Return loss (dB)	Spec (Min)	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1
Insertion loss(dB)	Spec (Max)	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
NEXT (dB)	Spec (Min)	65.3	56.3	51.8	50.3	47.2	45.8	44.3	42.9	38.4	35.3
PSNEXT (dB)	Spec (Min)	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3
ELFEXT (dB)	Spec (Min)	63.8	51.8	45.7	43.8	39.7	37.8	35.8	33.9	27.9	23.8
PSELFEXT (dB)	Spec (Min)	60.8	48.8	42.7	40.8	36.7	34.8	32.8	30.9	24.9	20.8
ACR (dB)	Spec (Min)	63.3	52.2	46.0	43.8	39.0	36.5	33.9	31.2	21.4	13.3

ELECTRICAL PROPERTIES @20 DEG C

CHARACTERISTICS	SPECIFICATIONS
Characteristic Impedance	100+/- 15 Ohms @ 100MHz
Conductor Resistance	Max 9.38 Ohms/100M
Conductor Resistance Unbalance	Max 5%
Mutual Capacitance	5.6nF/100m
Delay Skew	Max 45 ns/100m @ 100MHz
Propogation Delay	< 536 ns/100m @ 100MHz

PACKAGING
305m - Reel
500m / 1000m - Reel

PART NO.	PRODUCT DESCRIPTION	Outter Diameter (mm nom.)
MK-C5U24P	Cat 5e 4x2x24 AWG U/UTP, PVC	5.0
MK-C5U24L	Cat 5e 4x2x24 AWG U/UTP, LSZH	5.0



Flame Retardant

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