

CAT6A U/UTP Data Cable

PRODUCT DESCRIPTION

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

FEATURES

Flame Rating

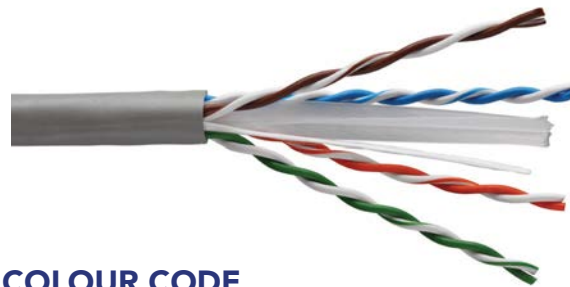
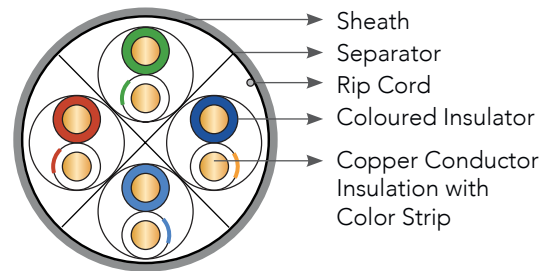
PVC-CM
LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2
Specified and tested upto 500MHz
Compliant to American Standard ANSI/TIA 568-C.2,
International Standard ISO/IEC 11801 Class E
25 years system warranty available

PRODUCT APPLICATION

10G BASE-T (IEEE 802.3)
1000 BASE-T (IEEE 802.3ab)
1000 BASE-TX
Data center I/O consolidation
Back Bone aggregation
Consolidation of network interconnects
Parallel processing and High Speed Computing
Other Legacy LAN and application Video, BAS
Meets IEEE802.3af & 802.3at PoE

JACKET COLOURS

Blue, Grey, Green, Orange Yellow, Violet or Customer Specific Colours



COLOUR CODE

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

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

Frequency (Mhz)	Max attenuation (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)
1	2.1	20.0	74.3	72.3	67.8	64.8
4	3.8	23.0	65.3	63.3	55.8	52.8
10	5.9	25.0	59.3	57.3	47.8	44.8
16	7.5	25.0	56.2	54.2	43.7	40.7
20	8.4	25.0	54.8	52.8	41.8	38.8
31.25	10.5	23.6	51.9	49.9	37.9	34.9
62.5	15	21.5	47.4	45.4	31.9	28.9
100	19.1	20.1	44.3	42.3	27.8	24.8
200	27.6	18.0	39.8	37.8	21.8	18.8
250	31.1	17.3	38.3	36.3	19.8	16.8
300	34.3	16.8	37.1	35.1	18.3	15.3
500	45.3	15.2	33.8	31.8	13.8	10.8

ELECTRICAL PROPERTIES @20 DEG C

CHARACTERISTICS	SPECIFICATION
Characteristic Impedance	100+/- 15 Ohms
Conductor Resistance	Max < 9.38 Ohms/100m
Conductor Resistance Unbalance	Max 5%
Mutual Capacitance	5.6nF/100m
Delay Skew	Max 45 ns/100m
Propogation Delay	< 536 ns/100m @ 500MHz

PACKAGING

305m - Reel
500m / 1000m - Reel



Flame Retardant

ORDER INFORMATION

PART NO.	PRODUCT DESCRIPTION	OUTER DIAMETER (MM)
MK-C6AUU23P	Cat 6a 4x2x23 AWG U/UTP, PVC	7.8
MK-C6AUU23L	Cat 6a 4x2x23 AWG U/UTP, LSZH	7.8

USA & CANADA

Tel +1-877-6774040
info@microlinknet.com
70 East Sunrise Highway Valley Stream,
NY 11581, New York

EUROPE

Tel +44-20-37695558
uk@microlinknet.com
4th Floor, 18 St. Cross Street,
London, EC1N 8UN

MIDDLE EAST

Tel +971 4 556 1557
mena@microlinknet.com
Boulevard Plaza Tower One, Level 3,
Downtown Dubai, United Arab Emirates

