

CAT 6A Plus

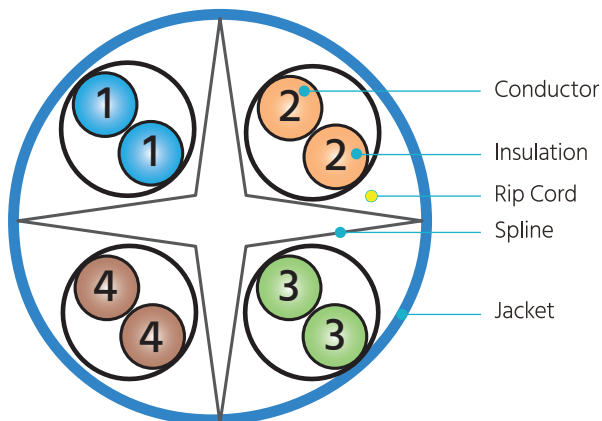
ENTEGRADE SERIES 1000ft

650MHz UTP SOLID,
23AWG CMR (RISER-RATED), 10G

For more information or to order, please contact **Monoprice Sales Representative** or sales@monoprice.com

Construction

Conductor	0.575 ±0.01mm
Material:	Soft annealed bare copper wire
Insulation:	High-Density Polyethylene (HDPE)
Nominal Wall:	0.215mm
Diameter:	1.01±0.05mm
Filler	
Rip Cord	Under the sheath
Jacket	FR-PVC
Min thickness:	0.43mm
Outer Diameter:	6.5±0.50mm



Electrical Characteristics

ITEM MHz	ATT	NEXT	RL	PS-NEXT	ELFEXT	PSELFEXT
	dB/100m	dB	dB	dB	dB	dB
	Max.	Min.	Min.	Min.	Min.	Min.
1	2.1	74.3	20.0	72.3	67.8	64.8
4	3.8	65.3	23.0	63.3	55.8	52.8
8	5.3	60.8	24.5	58.8	49.7	46.7
10	5.9	59.3	25.0	57.3	47.8	44.8
16	7.5	56.2	25.0	54.2	43.7	40.7
20	8.4	54.8	25.0	52.8	41.8	38.8
25	9.4	53.3	24.3	51.3	39.8	36.8
31.25	10.5	51.9	23.6	49.9	37.9	34.9
62.5	15.0	47.4	21.5	45.4	31.9	28.9
100	19.1	44.3	20.1	42.3	27.8	24.8
200	27.6	39.8	18.0	37.8	21.8	18.8
250	31.1	38.3	17.3	36.3	19.8	16.8
350	34.3	37.1	16.8	35.1	18.3	15.3
450	40.1	35.3	15.9	33.3	15.8	12.8
500	45.3	34.8	15.2	31.8	13.8	10.8
600	50.1	32.6	15.2	30.6	12.4	9.4
650	52.3	32.1	15.2	30.1	11.7	8.7

NOTE: Spread out 100m cable and test it

Color of Pairs

Pair 1 White/Blue + Blue	Pair 3 White/Green + Green
Pair 2 White/Orange + Orange	Pair 4 White/Brown + Brown

Conductor Resistance@20 °C	≤ 93.8 Ohms/km
Unbalance Conductor DC Resistance	≤ 5%
Mutual Capacitance	≤ 56nF/km
Pair to Ground Capacitance Unbalance	≤ 330pF/100m
Insulation Resistance	≥ 5000M Ohms/km (DC500V Charge 1 minute)

Mechanical Characteristics

Storage Temperature Range	-15 °C to 75 °C
Installation Temperature Range	0 °C to 60 °C
Maximum Pulling Force	30 lbs.
Minimum Bend Radius (Install)	65mm



Ratings/Certifications

ANSI, TIA, EIA-568-B, UL 444, CSA C22.6 CEC
ETL VERIFIED, CMR, ROHS 2

Jacket Printing: MONOPRICE CAT 6A 23AWG 4PR ENTEGRADE --- ETL 4003289 CMR ---ETL VERIFIED TO TIA/EIA-568-C.2 ROHS COMPLIANT 1000FT www.monoprice.com