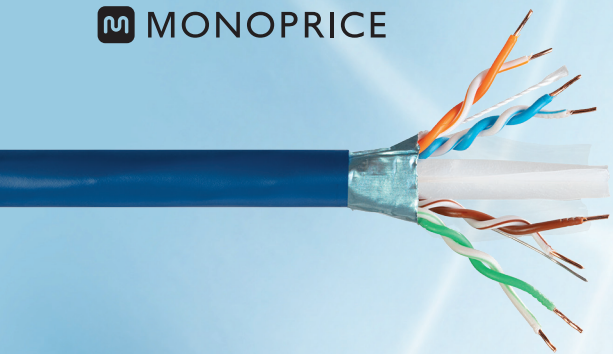


CAT 6A Plus

ENTEGRADE SERIES 1000ft

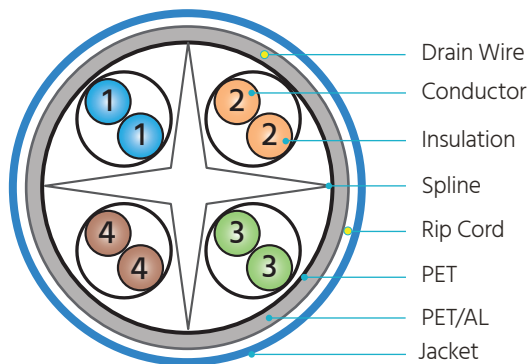


F/UTP SOLID CMR RISER-RATED
650MHZ, 23AWG

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

Construction

Conductor	0.57 ±0.02mm
Material:	Soft annealed bare copper wire
Insulation:	HDPE
Nominal Wall:	0.20mm
Diameter:	1.14±0.05mm
Filler	
Overall Shield	
Material:	Aluminum Foil-Polyester Tape
Drain Wire	
Material:	Solid Tinned Copper
Diameter:	0.40±0.01mm
Rip Cord	Under the sheath
Jacket	FR-PVC
Min. Thickness	0.40mm
Outer Diameter:	7.5±0.50mm



Color of Pairs

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



Ratings/Certifications

ANSI, TIA, EIA-568-B, UL 444, CSA C22.6 CEC
ETL VERIFIED, UL 444 CM, UL LISTED/CUL: E329415, CMR, ROHS 2

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	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.8	53.1	19.5	50.7	38.2	35.2
25	8.8	51.5	19.0	49.1	36.2	33.3
31.25	9.8	50.0	18.5	47.5	34.3	31.3
62.5	14.0	45.1	16.0	42.7	28.3	25.3
100	18.0	41.8	14.0	39.3	24.2	21.2
200	26.1	36.9	11.0	34.3	18.2	15.2
250	29.5	35.3	10.0	32.7	16.2	13.2
350	35.6	31.8	8.6	29.1	13.3	10.3
450	41.1	28.2	8.0	25.3	11.1	8.1
500	43.8	26.7	8.0	23.8	10.2	7.2

NOTE: FLUKE TIA Cat6 Perm.Link Test

Conductor Resistance@20 °C	≤ 93.8 Ohms/km
Unbalance Conductor DC Resistance	≤ 5%
Mutual Capacitance	≤ 56nF/km
Pair to Ground Capacitance Unbalance	≤ 330pF/100m

Mechanical Characteristics

Storage Temperature Range	-15 °C to 75 °C
Installation Temperature Range	0 °C to 60 °C
Maximum Pulling Force	25 lbs.
Minimum Bend Radius (Install)	65mm