

**4 PAIR 23 AWG
CATEGORY 6
Riser
TYPE CMR
(Tested to 550 MHz)**



1.0 SCOPE:

- 1.1 This cable consists of 4 pair 23 AWG solid bare copper; color-coded high density polyethylene (HDPE) insulation; overall white FR-PVC jacket.

2.0 CONSTRUCTION:

2.1 CONDUCTOR:

- 2.1.1 Material: Bare Copper
2.1.2 Size: 23 AWG
2.1.3 Construction: Solid

2.2 INSULATION:

- 2.2.1 Material: HDPE
2.2.2 Wall Thickness: .009" nom.
2.2.3 O.D.: .040" nom.
2.2.4 Color code:
Pair 1: White/Blue
Blue
Pair 2: White/Orange
Orange
Pair 3: White/Green
Green
Pair 4: White/Brown
Brown

2.3 CORE ASSEMBLY:

- 2.3.1 4 twisted pairs stranded together to form the main core.

2.4 JACKET:

- 2.4.1 Material: FR-PVC
2.4.2 Wall Thickness: .020" nom.
2.4.3 OD: .248" nom.
2.4.4 Color: White
2.4.5 Ripcord under jacket
2.4.6 Markings: "0000FT/1000FT PAIGE USA
CMR CAT6 550 MHZ 4 PR 23 AWG
4003290 ETL TESTED VERIFIED TO TIA-568-
C.2 ROHS DEVICE A B C D E F ZONE 1 2 3
4 5 6 7 8"

2.5 PUT-UPS:

- 2.5.1 1000' Box
2.5.2 Weight: 31 lbs / 1000'

2.6 ELECTRICAL PROPERTIES

- 2.6.1 Conductor Resistance: $\leq 9.5\Omega/328ft$
2.6.2 Insulation Resistance:
 $\geq 5000M\Omega Km(DC500V Charged 1 Min)$
2.6.3 Voltage Endurance: DC 1500V/min
2.6.4 Mutual Capacitance: $\leq 5.6nF/328ft$
2.6.5 Core-Core Resistance Unbalance: $\leq 5\%$

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Frequency MHz	Return Loss ≥dB/328ft	Attenuation ≤dB/328ft	NEXT ≥dB/328ft	PSNEXT ≥dB/328ft	ELFEXT ≥dB/328ft
1	19.0	3.0	65.0	62.0	63.3
4	19.0	4.0	63.0	60.5	51.2
10	19.0	6.3	56.6	54.0	43.2
16	19.0	8.0	53.2	50.6	39.2
20	17.5	9.0	51.6	49.0	37.2
31.25	16.5	11.4	48.4	45.7	33.3
62.50	14.0	16.5	43.4	40.6	27.3
100	12.0	21.3	39.9	37.1	23.2
200	9.0	31.5	34.8	31.9	17.2
250	8.0	36.0	33.1	30.2	15.3
300	7.2	39.0	31.7	28.7	13.7
500	6.0	51.0	26.1	23.1	9.3
550	6.0	53.0	25.1	22.1	8.3

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