

Paige® Cable 9X234C6 | Premium CAT6 Cable, 99% Solid Copper, 4 Pair, 23 AWG, Type CMR, 1000 ft Box



SCOPE

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

CONDUCTOR

- Material: Bare Copper
- Size: 23 AWG
- Construction: Solid

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INSULATION

- Material: HDPE
- Wall Thickness: .009 inch nom.
- O.D.: .040 inch nom.
- Color code: Pair 1 - (White/Blue Blue) / Pair 2 - (White/Orange Orange) / Pair 3 - (White/Green Green) / Pair 4 - (White/Brown Brown)

CORE ASSEMBLY

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

JACKET

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

PUT-UPS

- 1000 ft Box
- Weight: 31 lbs / 1000 ft

ELECTRICAL PROPERTIES

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

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Frequency MHz	1	4	10	16	20	31.25	62.5	100	200	250	300	500	550
Return Loss \geqdB/328ft	19.0	19.0	19.0	19.0	17.5	16.5	14.0	12.0	9.0	8.0	7.2	6.0	6.0
Attenuation \leqdB/328ft	3.0	4.0	6.3	8.0	9.0	11.4	16.5	21.3	31.5	36.0	39.0	51.0	53.0
NEXT \geqdB/328ft	65.0	63.0	56.6	53.2	51.6	48.4	43.4	39.9	34.8	33.1	31.7	26.1	25.1
PSNEXT \geqdB/328ft	62.0	60.5	54.0	50.6	49.0	45.7	40.6	37.1	31.9	30.2	28.7	23.1	22.1
ELFEXT \geqdB/328ft	63.3	51.2	43.2	39.2	37.2	33.3	27.3	23.2	17.2	15.3	13.7	9.3	8.3