P.O. Box 368, Union, NJ 07083, 908-687-7810, 800-327-2443, Fax: 908-687-8860 www.paigeelectric.com

Paige® spec 9X234C62B1

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$9.5Ω/328ft
2.6.2 Insulation Resistance: $\geq$5000MΩKm(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%

Paige Electric LLC

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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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