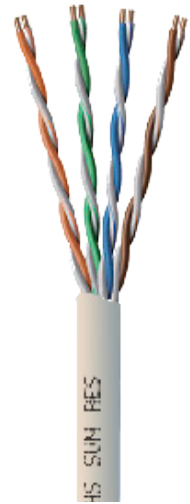




# Category 6 Cable

23 AWG, 4 Unshielded Twisted Pairs  
Plenum Rated - CMP  
Tested to 550 MHz

25307XXYY (XX=Length YY=Color)  
(Legacy Parts 9P234C6XYZ; 710636XX)



## 1.0 Scope

- 1.1 This cable consists of 4 pair 23 AWG solid bare copper; color-coded FEP insulation; overall 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: FEP
  - 2.2.2 Wall Thickness: .009" nom.
  - 2.2.3 O.D.: 0.0397"
  - 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 cabled together to form the main core.
- 2.3.2 Framework Material: FEP
- 2.4 Jacket
  - 2.4.1 Material: Plenum LSPVC
  - 2.4.2 Wall Thickness: 0.0197" nom.
  - 2.4.3 OD: 0.248"
  - 2.4.4 Color: Blue
  - 2.4.5 Ripcord under jacket
  - 2.4.6 Markings: PAIGE 25307XXYY 23/4PR SOL CAT 6 550 MHZ (UL) CMP OR C(UL)US CMP FT6 ROHS COMPLIANT
- 2.5 Put-Ups: 1000 Box / Reel 500 Box / Reel
- 2.6 Electrical Properties
  - 2.6.1 Conductor Resistance: <math><9.38\Omega/328ft</math>
  - 2.6.2 Insulation Resistance:>5000MQkm (DC500V Charged 1 Min)
  - 2.6.3 Voltage Endurance: DC 1500V/min
  - 2.6.4 Mutual Capacitance: <math>\leq 5.6nF/328ft</math>
  - 2.6.5 Core-Core Resistance Unbalance: <math>\leq 5\%</math>
- 2.7 Package Key - Common Lengths/Pkg
  - 2.7.1 03=1000 Box; 08=1000 Reel  
02=500 Box; 07=500 Reel
- 2.8 Color Key - Common Colors
  - 2.8.1 01=Orange; 03=Purple; 04=Black;  
05=Red; 06=Blue; 07=Yellow; 08=Pink;  
09=Green; 10=White;  
Other colors available - Special order.

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Frequency MHz	Return Loss ≥dB/328 ft	Attenuation ≤dB/328 ft	NEXT ≥dB/328 ft	PSNEXT ≥dB/328 ft	ELFEXT ≥dB/328 ft
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

#### Compliance:

- UL 444, Communications Cable
- NEC Article 800
- ETL Verified to TIA-568-B.2, Category 6
- ETL Listed Type CMP
- NFPA 262, Plenum Flame Test (UL 910)
- CSA C22.2 No. 214
- Restriction of Hazardous Substances (RoHS)

#### Footnotes:

Printing to be permanently identified via inkjet or print wheel print. (Embossed NOT Acceptable).

We want to hear from you!

P.O. Box 368, Union, NJ 07083

Tel: 888.423.8947 [info@paigeelectric.com](mailto:info@paigeelectric.com)

[www.paigedatacom.com](http://www.paigedatacom.com)

