



Category 6 Cable

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



253070353 (1000bx) 253070753 (500rl)

1.0 Scope

- 1.1** This cable consists of 4 pair 23 AWG solid bare copper; color-coded FEP insulation; X separator; 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: 0.009" 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: SES TYPE K CABLE PAIGE
253070X53 23/4PR SOL CAT 6 550 MHZ
(UL) CMP OR C(UL)US CMP FT6 ROHS
COMPLIANT

2.5 Put-Ups: 1000 Box / 500 Reel

2.6 Electrical Properties

- 2.6.1 Conductor Resistance: <9.38Ω/328ft
- 2.6.2 Insulation Resistance:>5000MΩKcm
(DC500V Charged 1 Min)
- 2.6.3 Voltage Endurance: DC 1500V/min
- 2.6.4 Mutual Capacitance: ≤5.6nF/328ft
- 2.6.5 Core-Core Resistance Unbalance: ≤5%

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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!

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