



Category 5E Cable

24 AWG, 4 Unshielded Twisted Pairs
Riser Rated - CMP Tested to 350 Mhz
SES TYPE I



250070353 (1000bx) 250070753 (500rl)

1.0 Scope

- 1.1 This cable consists of 4 pair 24 AWG solid bare copper; color-coded FEP insulation; overall LS-PVC jacket.

2.0 Construction

2.1 Conductor

- 2.1.1 Material: Bare Copper
- 2.1.2 Size: 24 AWG
- 2.1.3 Construction: Solid

2.2 Insulation

- 2.2.1 Material: FEP
- 2.2.2 Wall Thickness: .007" nom.
- 2.2.3 O.D.: 0.034"
- 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 round core.

2.4 Jacket

- 2.4.1 Material: Plenum LS-PVC
- 2.4.2 Wall Thickness: 0.020" nom.
- 2.4.3 OD: 0.193"
- 2.4.4 Color: Blue
- 2.4.5 Ripcord under jacket
- 2.4.6 Markings: SES TYPE I CABLE PAIGE
250070X53 24/4PR SOL CAT 5E 350 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 Temperature: 75°C
- 2.6.2 Voltage: 300 Volt
- 2.6.3 Mutual Capacitance: 14 pF/ft nom.
- 2.6.4 Char. Impedance: 100 Ohms \pm 15
- 2.6.5 Propagation Delay Skew: 45 ns/100m max.
- 2.6.6 Velocity of Propagation: 72% nom.
- 2.6.7 DC Resistance: 9.38 Ohms/100m

The information and specifications described herein are subject to error or omission and to change without notice.

Paige provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Paige be liable for any damages (including consequential, indirect, incidental, special, punitive or exemplary damages) whatsoever, even if Paige has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.



Frequency MHz	Return Loss ≥dB/328 ft	Attenuation ≤dB/328 ft	NEXT ≥dB/328 ft	PSNEXT ≥dB/328 ft	ELFEXT ≥dB/328 ft
1	17.0	3.0	60.0	57.0	57.4
4	17.0	4.5	53.6	50.6	45.3
10	17.0	7.1	47.0	44.0	37.4
16	17.0	9.1	43.6	40.6	33.3
20	17.0	10.2	42.0	39.0	31.4
25	16.0	11.4	40.4	37.4	29.4
31.25	15.1	12.9	38.7	35.7	27.5
62.50	12.1	18.6	33.6	30.6	21.5
100	10.0	24.0	30.1	27.1	17.4
200	10.0	36.5	25.8	22.8	15.4
300	8.0	44.0	23.2	20.2	11.2
350	7.0	47.0	22.2	20.2	10.0

Compliance:

- UL 444, Communications Cable
- NEC Article 800
- ETL Verified to TIA-568-B.2, Category 5e
- 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.)

(*) Ascending / Descending Footage to repeat every 2 feet.

We want to hear from you!

P.O. Box 368, Union, NJ 07083

Tel: 888.423.8947 info@paigeelectric.com

www.paigedatacom.com

