



UNSHIELDED, TWISTED PAIR INDOOR/OUTDOOR PLENUM RATED

1.0 SCOPE

1.1 Description

- 1.1.1** This cable consists of 4 pair solid bare copper; color-coded FEP insulation; marking tape and overall FEP jacket.

1.2 Standards Compliance

- 1.2.1** ANSI/TIA-568.2-D (2018); ISO/IEC 11801; IEC 61156-5 (Edition 2.1); UL 444; CSA 22.2 No. 214. Flame Test: NFPA 262 (CMP); EU Directive 2011/65/EU & 2015/863/EU, EU Directive 2006/95/EC (LVD). Approvals: C(UL)US CMP; Certified to TIA-568.2-D CAT 6. Compliance: RoHS-2.

2.0 CONSTRUCTION

2.1 Conductor

- 2.1.1** Material: Bare Copper
2.1.2 Construction: Solid 22 AWG

2.2 Insulation

- 2.2.1** Material: FEP
2.2.2 O.D.: 0.044" nom.
2.2.3 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.

2.4 Jacket

- 2.4.1** Material: FEP
2.4.2 Wall Thickness: 0.015" nom
2.4.3 O.D.: 0.220" nom
2.4.4 Color:
04 ● Black
06 ● Blue
08 ● Pink
10 ○ White

*These colors are a translucent tint

- 2.4.5** Ripcord: Under jacket

- 2.4.6** Markings: PAIGE GAMECHANGER(R) 2589503-- PATENTS: PAIGEDATACOM.COM/PATENTS UTP 22AWG 4PR E191596-W C(UL)US CMP -70°C to +200°C ROHS-2 CERTIFIED TO TIA-568.2-D CAT 6 YYMMDD XXXXFT/ XXXXFT

2.5 Electrical Properties

- 2.5.1** Conductor Resistance: $\leq 6.35\Omega/100m$
2.5.2 Mutual Capacitance: $\leq 7.0nF/100m$
2.5.3 Core-Core Resistance Unbalance: $\leq 5\%$
2.5.4 Maximum Voltage: 300V (Per NEC, not suitable for Class 1 power applications)
2.5.5 NVP: 70%

2.6 Temperature Rating

- 2.6.1** Installation: -40°C to +200°C
2.6.2 Operation: -70°C to +200°C

2.7 Power over Ethernet Support

- 2.7.1** Class: 1-8 (Up to 100W)

3.0 WEIGHTS AND DIMENSIONS

3.1 Put Up: Reel-In-A-Box

- 3.1.1** Length: 1,000'
3.1.2 Weight: 30 lbs
3.1.3 Dimensions: 13" x 10" x 9"

Regional Availability

United States, Canada, Latin America, Middle East