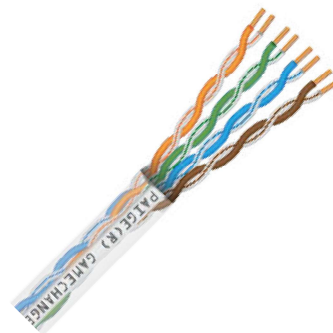




GameChanger[®] Cable

Product Specifications



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-E (2024); ISO/IEC 11801; IEC 61156-5 (Edition 2.1); UL 444; CSA 22.2 No. 214. Flame Test: NFPA 262 (CMP) & CSA FT6; EU Directive 2011/65/EU & 2015/863/EU, EU Directive 2006/95/EC (LVD). Approvals: C(UL)US CMP; Certified to TIA-568.2-E 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-E CAT 6 (Traceability Code) 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' (305 m)
3.1.2 Weight: 30 lbs (13.61 kg)
3.1.3 Dimensions: 13" x 10" x 9"
(330 mm x 254 mm x 229 mm)

Regional Availability

United States, Canada, Latin America, Middle East

Electrical Properties Table

Frequency MHz	Return Loss ≥dB/100m	Insertion Loss ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
1	24	1.5	90	87
10	31	4.8	75	72
20	32	7.0	64	61
100	26	16.1	50	47
200	24	23.2	48	45
250	21	26.1	47	44
350	20	31.4	45	42
500	19	38.3	43	40
550	18	40.4	42	39

*Values above 250 MHz are for engineering information only

Application

GameChanger cabling is designed specifically for transmitting Ethernet and can support all 8 classes of Power over Ethernet. GameChanger Cable can deliver 2.5Gbps and 100W.

PoE up to 656 feet (200m) or if you need to go farther, GameChanger Cable can deliver 10Mbps and 100W PoE up to 850 feet (259m).

Connectors

GameChanger cables have 22 AWG conductors. So when punching down to a jack or a patch panel, any Cat6 connectivity will work. If you are using a RJ45 connector, check out this termination guide:

Frequently Asked Questions

For FAQ and best practices please visit: paigedatcom.com/gamechanger



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U.S. Patent Nos. 10,453,589, 11,107,605, 11,562,835, 11,646,133 and 12,142,389

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