



# GameChanger Cable

Unshielded Twisted Pair  
Plenum Rated – CMP

46224PPWH



## 1.0 Scope

**1.1** This cable consists of 4 pair solid bare copper; color-coded FEP insulation; overall LSFR-PVC jacket. RoHS-2 Compliant

## 2.0 Construction

### 2.1 Conductor

- 2.1.1 Material: Bare Copper
- 2.1.2 Construction: Solid

### 2.2 Insulation

- 2.2.1 Material: Ultra Low-Loss Dielectric
- 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 stranded together to form the main core.

### 2.4 Jacket

- 2.4.1 Material: LSFR-PVC
- 2.4.2 OD: 0.248"nom
- 2.4.3 Color: White
- 2.4.4 Ripcord under jacket
- 2.4.5 Markings: "PAIGE GAMECHANGER PATENT PENDING CMP UL EXXXXX ROHS SUN RES" (Ascending/Descending length marking)

### 2.5 Electrical Properties

- 2.5.1 Conductor Resistance:  $\leq 9.38\Omega/100m$
- 2.5.2 Insulation Resistance:  $\geq 5000M\Omega Km$  (DC500V Charged 1 Min)
- 2.5.3 Voltage Endurance: DC 1500V/min
- 2.5.4 Mutual Capacitance:  $\leq 7.0nF/100m$
- 2.5.5 Core-Core Resistance Unbalance:  $\leq 5\%$

**We want to hear from you!**

P.O. Box 368, Union, NJ 07083

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

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



Frequency MHz	Return Loss ≥dB/100m	Attenuation ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
1	32.7	1.5	82.0	78.5
4	34.4	3.0	71.3	66.8
10	30.5	4.8	63.6	60.3
16	33.5	6.2	56.7	56.2
20	35.0	6.2	56.7	56.2
25	34.1	7.8	59.3	55.3
31.25	31.5	8.8	60.9	56.9
62.50	31.1	8.8	60.9	56.9
100	29.4	16.3	50.2	49.2

### Application

GameChanger cabling is designed specifically for transmitting Power over Ethernet and IP video and control traffic. Any use other use is not covered under the warranty.

Maximum transmission distance exceeds Category Rating limits, but varies with equipment and settings used. If you have any questions about the maximum recommended distance for a particular installation, please contact us.

### Connectors

GameChanger cabling works with most Category 6 non shielded connectors..

### Alternate Constructions

GameChanger cabling is also available with:

- Riser (Type CMR) rating
- Custom Colors

### Frequently Asked Questions

For FAQ and best practices please visit:  
[www.paigedatacom.com/gamechanger](http://www.paigedatacom.com/gamechanger)

**We want to hear from you!**

P.O. Box 368, Union, NJ 07083

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

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

