1.0 Scope

1.1 This cable consists of 4 pair solid bare copper; color-coded high density polyethylene (HDPE) insulation; overall FR-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
2.2.3 O.D.: 0.044” nom
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 the main core.

2.4 Jacket

2.4.1 Material: FR-PVC
2.4.2 Wall Thickness: 0.050” nom.
2.4.3 OD: 6.2 ± 0.5mm
2.4.4 Color: Yellow with 2 Black Stripes
2.4.5 Ripcord under jacket
2.4.6 Markings: “PAIGE GAMECHANGER PATENT PENDING CMR UL E191596XX ROHS SUN RES” (Ascending/Descending length marking)

2.5 Electrical Properties

2.5.1 Conductor Resistance: ≤9.38Ω/100m
2.5.2 Insulation Resistance: ≥5000MΩKm (DC500V Charged 1 Min)
2.5.3 Voltage Endurance: DC 1500V/min
2.5.4 Mutual Capacitance: ≤7.0nF/100m
2.5.5 Core-Core Resistance Unbalance: ≤5%

We want to hear from you!
P.O. Box 368, Union, NJ 07083
Tel: 888.423.8947 gamechanger@paigeelectric.com
www.paigeelectric.com/gamechanger
**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 connectors.

**Alternate Constructions**

GameChanger cabling is also available with:
- Plenum (Type CMP) rating
- Custom Colors

**Frequently Asked Questions**

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

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**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

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