1.0 Scope
1.1 This cable consists of 4 pair solid bare copper; color-coded high density polyethylene (HDPE) insulation; LSZH X-Web; water-proof gel; overall LSZH jacket. RoHS-2 Compliant

2.0 Construction

2.1 Conductor
2.1.1 Material: Bare Copper
2.1.2 Construction: Solid

2.2 Insulation
2.1.1 Material: Ultra Low-Loss Dielectric
2.1.3 O.D.: 0.044" nom
2.1.4 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 around a central X-web and fully flooded with a waterproof gel to form the main core.

2.4 Jacket
2.4.1 Material: LSZH FRPE
2.4.2 Wall Thickness: 0.050" nom.
2.4.3 OD: 0.305" nom.
2.4.4 Color: Black
2.4.5 Ripcord under jacket
2.4.6 Markings:
“PAIGE® GAMECHANGER™
PATENT PENDING (UL) CM-LS
E191596XX 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:
   \( \geq 5000 \text{M} \Omega \text{Km} \)
   (DC500V Charged 1 Min)
2.5.3 Voltage Endurance: DC 1500V/min
2.5.4 Mutual Capacitance: \( \leq 7.0 \text{nF}/100m \)
2.5.5 Core-Core Resistance Unbalance:
   \( \leq 5\% \)
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.

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<th>Attenuation ≤dB/100m</th>
<th>NEXT ≥dB/100m</th>
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Connectors
GameChanger cabling works with most Category 6 connectors.

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

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

We want to hear from you!
P.O. Box 368, Union, NJ 07083

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