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 cabled 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 a Black Stripe
2.4.5 Ripcord under jacket
2.4.6 Markings: “PAIGE GAMECHANGER PATENT PENDING CMR C(UL) E191596XX ROHS SUN RES” (Ascending/Descending length marking)

2.5 Electrical Properties
2.5.1 Conductor Resistance: ≤6.35Ω/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%

2.6 Temperature Rating
2.6.1 -20°C to +75°C

2.7 Power over Ethernet Support
2.7.1 Class 1 - 8

---

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- 258300310 - Plenum, White
- 258330804 - OSP, Black
- 258340804 - OSP Shielded, Black

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

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Delivers 1Gbps performance and PoE+ over 200 meters

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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
2.1.2 O.D.: 0.044” nom
2.1.3 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: LSFR-PVC
2.4.2 O.D: 0.248" nom
2.4.3 Color: White
2.4.4 Ripcord under jacket
2.4.5 Markings: “PAIGE GAMECHANGER PATENT PENDING CMP C(UL) EXXXX ROHS SUN RES” (Ascending/Descending length marking)

2.5 Electrical Properties
2.5.1 Conductor Resistance: ≤6.35Ω/100m
2.5.2 Insulation Resistance: ≥5000MΩKm (DC500V Charged 1 Min)
2.5.3 Voltage Endurance: DC 1500V/min
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2.6.1 -20°C to +75°C

2.7 Power over Ethernet Support
2.7.1 Class 1 - 8
Frequency | Return Loss ≥dB/100m | Attenuation ≤dB/100m | NEXT ≥dB/100m | PSNEXT ≥dB/100m
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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
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![UL logo]

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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 cabled 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: Blue with White Stripe
   2.4.4 Ripcord under jacket
   2.4.5 Markings: “PAIGE GAMECHANGER PATENT PENDING CMP C(UL) EXXXX ROHS SUN RES”
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   2.6.1 -20°C to +75°C

2.7 Power over Ethernet Support
   2.7.1 Class 1 - 8

---

GameChanger Cable
Unshielded Twisted Pair Plenum Rated - CMP

258300336 46224PPBLW (legacy part no)

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### Frequency Table

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---

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1 Gbps performance and PoE+ over 200 meters

---

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1.0 Scope
1.1 This cable consists of 4 pair solid bare copper; color-coded high density polyethylene (HDPE) insulation; water-proof gel; overall Direct Burial 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 cabled together and fully flooded with a water-proof gel to form the main core.

2.4 Jacket
2.4.1 Material: PE

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 C(UL) DIRECT BURIAL E191596X ROHS SUN RES” (Ascending/Descending length marking)

2.5 Electrical Properties
2.5.1 Conductor Resistance: ≤6.35Ω/100m
2.5.2 Insulation Resistance: ≥5000MΩKm (DC500V Charged 1 Min)
2.5.3 Voltage Endurance: DC 1500V/min
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2.5.5 Core-Core Resistance Unbalance: ≤5%

2.6 Temperature Rating
2.6.1 -20°C to +75°C (installation)
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2.7.1 Class 1 - 8

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www.paigedatacom.com/gamechanger
1.0 Scope
1.1 This cable consists of 4 pair solid bare copper; color-coded high density polyethylene (HDPE) insulation; water-proof gel; inner and outer FRPE jacket with a aluminum/polyester tape shield with 24 AWG tinned copper drain wire in between the two jackets. 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
       Pair 2: White/Orange
       Pair 3: White/Green
       Pair 4: White/Brown
2.3 Core Assembly:
   2.3.1 4 twisted pairs cabled together and fully flooded with a waterproof gel to form the main core which is then jacketed with a FRPE inner jacket.

2.4 Jackets
   2.4.1 Material: FRPE
   2.4.2 Inner Wall Thickness: 0.025” nom
   2.4.3 Outer Wall Thickness: 0.025” nom
   2.4.4 Color: Black
   2.4.5 Ripcord under jacket
   2.4.6 Markings:
       “PAIGE® GAMECHANGER CABLE™ PATENT PENDING SHIELDED OSP C(UL) CM DIRECT BURIAL ROHS SUN RES” (Ascending/Descending length marking)

2.5 Electrical Properties
2.5.1 Conductor Resistance: ≤6.35Ω/100m
2.5.2 Insulation Resistance: ≥5000MΩKm (DC500V Charged 1 Min)
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- 258300310 - Plenum, White
- 258330804 - OSP (non shielded), Black
- Custom Colors

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