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 22 AWG

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
   - 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 water-proof 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.

2.5 Electrical Properties
2.5.1 Conductor Resistance: ≤6.35Ω/100m
2.5.2 Insulation Resistance: ≥5000MQKm (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 (installation)
2.6.2 -40°C to +75°C (operating)

2.7 Power over Ethernet Support
2.7.1 Class 1 - 8

3.0 Weights and Dimensions

3.1 Put Up
3.1.1 Length: 1,000 feet reel
3.1.2 Weight: 74 lbs
3.1.3 Dimensions: 16” x 12” x 16”
Application
GameChanger cabling is designed specifically for transmitting Ethernet and can support all 8 classes of Power over Ethernet.

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 Cat 6 jacks and patch cords, but is only recommended to work with Platinum Tools ezEX44 or ezEX48 RJ45 modular plugs.

Alternate Constructions
GameChanger cabling is also available with:
- 258310333 - Riser, Yellow w/ White Stripe
- 258300336 - Plenum, Blue w/ White Stripe
- 258300310 - Plenum, White
- 258330804 - OSP, Black
- 258340804 - OSP Shielded, Black
- 258802404 - Class I, Division 1 Armored

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

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*Values above 250 MHz are for engineering information only*