

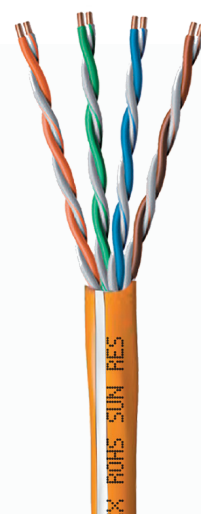


# GameChanger Cable

Unshielded Twisted Pair  
Riser Rated - CMR

258310333

U.S. Patent No.'s 10,453,589; 11,107,605;  
11,562,835; and 11,646,133



## 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 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
  - 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: .238" nom
- 2.4.4 Color: Yellow with White Stripe
- 2.4.5 Ripcord under jacket

2.4.6 Markings: "PAIGE GAMECHANGER  
PATENT NO 10,453,589 ; 11,107,605 ;  
11,562,835 ; & 11,646,133 (UL) CMR  
--- C(UL) E191596XX ROHS SUN RES"  
(Ascending/Descending length marking)

## 2.5 Electrical Properties

- 2.5.1 Conductor Resistance:  $\leq 6.35\Omega/100m$
- 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:  $\leq 5\%$
- 2.5.6 Maximum Voltage: 300V (Per NEC, not  
suitable for Class 1 power applications)
- 2.5.7 NVP: 67%

## 2.6 Temperature Rating

- 2.6.1 -20°C to +75°C

## 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 ft box
- 3.1.2 Weight: 29 lbs
- 3.1.3 Dimensions: 15" x 12" x 15"

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200 Sheffield St, Suite 302, Mountainside, NJ 07092

Tel: 888.423.8947 [cgorders@paigeconnected.com](mailto:cgorders@paigeconnected.com)



Frequency MHz	Return Loss ≥dB/100m	Insertion Loss ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
1	24	1.5	90	87
10	31	4.8	75	72
20	32	7.0	64	61
100	26	16.1	50	47
200	24	23.2	48	45
250	21	26.1	47	44
350	20	31.4	45	42
500	19	38.3	43	40
550	18	40.4	42	39

\*Values above 250 MHz are for engineering information only

### Application

GameChanger cabling is designed specifically for transmitting Ethernet and can support all 8 classes of Power over Ethernet.

GameChanger Cable can deliver 2.5Gbps and 100W PoE up to 656 feet (200m) or if you need to go farther, GameChanger Cable can deliver 10Mbps and 100W PoE up to 850 feet (259m).

### Connectors

GameChanger cables have 22 AWG conductors. So when punching down to a jack or a patch panel, any Cat6 connectivity will work. If you are using a RJ45 connector, check out this termination guide: <https://paigedatacom.com/uploads/Media/4/GameChanger%20Termination%20Guide.pdf>



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

### We want to hear from you!

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Tel: 888.423.8947 [cgorders@paigeconnected.com](mailto:cgorders@paigeconnected.com)  
[www.paigeelectric.com/gamechanger](http://www.paigeelectric.com/gamechanger)



Connecting You To More

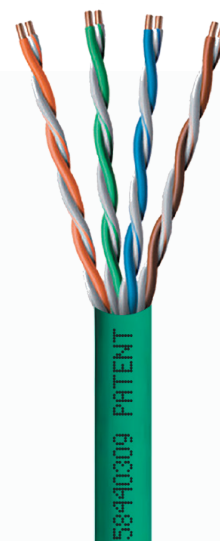


## GameChanger Cable

Unshielded Twisted Pair  
Riser Rated - FT4

258440309

U.S. Patent No.'s 10,453,589; 11,107,605;  
11,562,835; and 11,646,133



### 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 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
  - 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: .238" nom
- 2.4.4 Color: Green
- 2.4.5 Ripcord under jacket

2.4.6 Markings: "PAIGE GAMECHANGER

PATENT NO 10,453,589 ; 11,107,605 ;

11,562,835 ; & 11,646,133 (UL) CMR

--- C(UL) CMG FT4E191596XX ROHS SUN RES"  
(Ascending/Descending length marking)

### 2.5 Electrical Properties

- 2.5.1 Conductor Resistance:  $\leq 6.35\Omega/100m$
- 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:  $\leq 5\%$
- 2.5.6 Maximum Voltage: 300V (Per NEC, not suitable for Class 1 power applications)
- 2.5.7 NVP: 67%

### 2.6 Temperature Rating

- 2.6.1 -20°C to +75°C

### 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 ft box
- 3.1.2 Weight: 29 lbs
- 3.1.3 Dimensions: 15" x 12" x 15"

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Frequency MHz	Return Loss ≥dB/100m	Insertion Loss ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
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350	20	31.4	45	42
500	19	38.3	43	40
550	18	40.4	42	39

\*Values above 250 MHz are for engineering information only

### Application

GameChanger cabling is designed specifically for transmitting Ethernet and can support all 8 classes of Power over Ethernet.

GameChanger Cable can deliver 2.5Gbps and 100W PoE up to 656 feet (200m) or if you need to go farther, GameChanger Cable can deliver 10Mbps and 100W PoE up to 850 feet (259m).

### Connectors

GameChanger cables have 22 AWG conductors. So when punching down to a jack or a patch panel, any Cat6 connectivity will work. If you are using a RJ45 connector, check out this termination guide: <https://paigedatacom.com/uploads/Media/4/GameChanger%20Termination%20Guide.pdf>



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

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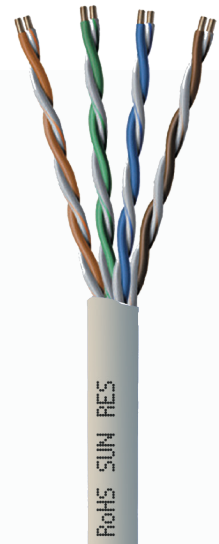


# GameChanger Cable

Unshielded Twisted Pair  
Plenum Rated - CMP

258300310

U.S. Patent No.'s 10,453,589; 11,107,605;  
11,562,835; and 11,646,133



## 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 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
  - 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: White
- 2.4.4 Ripcord under jacket

2.4.5 Markings: "PAIGE GAMECHANGER  
PATENT NO 10,453,589 ; 11,107,605 ;  
11,562,835 ; & 11,646,133 (UL)  
CMP--- C(UL) FT6 EXXXXX ROHS SUN RES"  
(Ascending/Descending length marking)

## 2.5 Electrical Properties

- 2.5.1 Conductor Resistance:  $\leq 6.35\Omega/100m$
- 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:  $\leq 5\%$
- 2.5.6 Maximum Voltage: 300V (Per NEC, not suitable for Class 1 power applications)
- 2.5.7 NVP: 63%

## 2.6 Temperature Rating

- 2.6.1  $-20^{\circ}C$  to  $+75^{\circ}C$

## 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 ft box
- 3.1.2 Weight: 32 lbs
- 3.1.3 Dimensions: 15" x 12" x 15"

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Tel: 888.423.8947 [cgorders@paigeconnected.com](mailto:cgorders@paigeconnected.com)



Frequency MHz	Return Loss ≥dB/100m	Insertion Loss ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
1	24	1.5	90	87
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350	20	31.4	45	42
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\*Values above 250 MHz are for engineering information only

### Application

GameChanger cabling is designed specifically for transmitting Ethernet and can support all 8 classes of Power over Ethernet.

GameChanger Cable can deliver 2.5Gbps and 100W PoE up to 656 feet (200m) or if you need to go farther, GameChanger Cable can deliver 10Mbps and 100W PoE up to 850 feet (259m).

### Connectors

GameChanger cables have 22 AWG conductors. So when punching down to a jack or a patch panel, any Cat6 connectivity will work. If you are using a RJ45 connector, check out this termination guide: <https://paigedatacom.com/uploads/Media/4/GameChanger%20Termination%20Guide.pdf>



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

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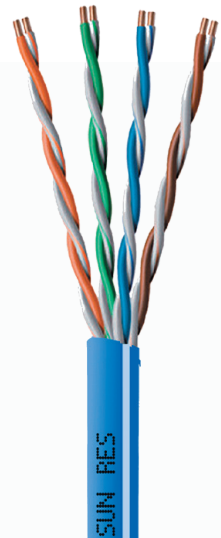


# GameChanger Cable

Unshielded Twisted Pair  
Plenum Rated - CMP

258300336

U.S. Patent No.'s 10,453,589; 11,107,605;  
11,562,835; and 11,646,133



## 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 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
  - 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 a white stripe
- 2.4.4 Ripcord under jacket
- 2.4.5 Markings: "PAIGE GAMECHANGER"

PATENT NO 10,453,589 ; 11,107,605 ;  
11,562,835 ; & 11,646,133 (UL) CMP  
--- C(UL) FT6 EXXXXX ROHS SUN RES"  
(Ascending/Descendinglength marking)

## 2.5 Electrical Properties

- 2.5.1 Conductor Resistance:  $\leq 6.35\Omega/100m$
- 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:  $\leq 5\%$
- 2.5.6 Maximum Voltage: 300V (Per NEC, not suitable for Class 1 power applications)
- 2.5.7 NVP: 63%

## 2.6 Temperature Rating

- 2.6.1  $-20^{\circ}C$  to  $+75^{\circ}C$

## 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 ft box
- 3.1.2 Weight: 32 lbs
- 3.1.3 Dimensions: 15" x 12" x 15"

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Tel: 888.423.8947    [cgorders@paigeconnected.com](mailto:cgorders@paigeconnected.com)



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100	26	16.1	50	47
200	24	23.2	48	45
250	21	26.1	47	44
350	20	31.4	45	42
500	19	38.3	43	40
550	18	40.4	42	39

\*Values above 250 MHz are for engineering information only

### Application

GameChanger cabling is designed specifically for transmitting Ethernet and can support all 8 classes of Power over Ethernet.

GameChanger Cable can deliver 2.5Gbps and 100W PoE up to 656 feet (200m) or if you need to go farther, GameChanger Cable can deliver 10Mbps and 100W PoE up to 850 feet (259m).

### Connectors

GameChanger cables have 22 AWG conductors. So when punching down to a jack or a patch panel, any Cat6 connectivity will work. If you are using a RJ45 connector, check out this termination guide: <https://paigedatacom.com/uploads/Media/4/GameChanger%20Termination%20Guide.pdf>



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

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





## GameChanger LSZH OSP Cable

Unshielded Twisted Pair  
LSZH OSP Direct Burial

258330804

U.S. Patent No.'s 10,453,589; 11,107,605;  
11,562,835; and 11,646,133



### 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 LSZH / OSP Direct Burial jacket. 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
- 2.2.3 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 and fully flooded with a waterproof 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 NO 10,453,589 ; 11,107,605 ; 11,562,835 ; & 11,646,133 OSP C(UL) CM-LS E191596XX ROHS SUN RES" (Ascending/Descending length marking)

### 2.5 Electrical Properties

- 2.5.1 Conductor Resistance:  $\leq 6.35\Omega/100m$
- 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:  $\leq 5\%$
- 2.5.6 Maximum Voltage: 300V (Per NEC, not suitable for Class 1 power applications)
- 2.5.7 NVP: 60%

### 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 ft box
- 3.1.2 Weight: 52 lbs
- 3.1.3 Dimensions: 16" x 12" x 16"

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Frequency MHz	Return Loss ≥dB/100m	Insertion Loss ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
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\*Values above 250 MHz are for engineering information only

### Application

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GameChanger Cable can deliver 2.5Gbps and 100W PoE up to 656 feet (200m) or if you need to go farther, GameChanger Cable can deliver 10Mbps and 100W PoE up to 850 feet (259m).

### Connectors

GameChanger cables have 22 AWG conductors. So when punching down to a jack or a patch panel, any Cat6 connectivity will work. If you are using a RJ45 connector, check out this termination guide: <https://paigedatacom.com/uploads/Media/4/GameChanger%20Termination%20Guide.pdf>



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

### We want to hear from you!

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



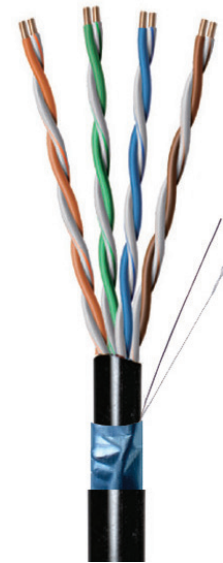


# GameChanger Shielded OSP Cable

Shielded Twisted Pair  
CM, 600V AWM

258340804

U.S. Patent No.'s 10,453,589; 11,107,605;  
11,562,835; and 11,646,133



## 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 LSZH FR Polyolefin jacket with a aluminum/polyester tape shield with 24 AWG tinned copper drain wire in between the two jackets . Compliant with c(UL), CM Compliant, UL Subject 444 Communication Cables, AWM Style 22427 80C 600V, UL Subject 758 Appliance Wiring Material, Sunlight Resistant, California State Fire Marshal Approved, RoHS

## 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
- 2.2.3 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 and fully flooded with a waterproof gel to form the main core which is then jacketed with a FRPO 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

- 2.4.3 Total OD: 0.380" nom.
- 2.4.4 Color: Black
- 2.4.5 Ripcord under jacket
- 2.4.6 Markings: "PAIGE(R) GAMECHANGER(TM) 258340804 PATENT NO 10,453,589 ; 11,107,605 ; 11,562,835 ; & 11,646,133 SHIELDED OSP c(UL)us 22/4P CM-ST1 E191569++ or AWM 22427 80C 600V--- RoHS SUN RES --- DIRECT BURIAL --- CERTIFIED TO TIA/EIA CAT 6 (01-12345) Ascending/Descending length marking)

## 2.5 Electrical Properties

- 2.5.1 Conductor Resistance:  $\leq 6.35\Omega/100m$
- 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:  $\leq 5\%$
- 2.5.6 Maximum Voltage: 600V
- 2.5.7 NVP: 60%

## 2.6 Temperature Rating

- 2.6.1 -20°C to +80°C (installation)
- 2.6.2 -44°C to +80°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: 63 lbs
- 3.1.3 Dimensions: 16" x 12" x 16"

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Tel: 888.423.8947 [cgorders@paigeconnected.com](mailto:cgorders@paigeconnected.com)



Frequency MHz	Return Loss ≥dB/100m	Insertion Loss ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
1	24	1.5	90	87
10	31	4.8	75	72
20	32	7.0	64	61
100	26	16.1	50	47
200	24	23.2	48	45
250	21	26.1	47	44
350	20	31.4	45	42
500	19	38.3	43	40
550	18	40.4	42	39

\*Values above 250 MHz are for engineering information only

### Application

GameChanger cabling is designed specifically for transmitting Ethernet and can support all 8 classes of Power over Ethernet.

GameChanger Cable can deliver 2.5Gbps and 100W PoE up to 656 feet (200m) or if you need to go farther, GameChanger Cable can deliver 10Mbps and 100W PoE up to 850 feet (259m).

### Connectors

GameChanger cables have 22 AWG conductors. So when punching down to a jack or a patch panel, any Cat6 connectivity will work. If you are using a RJ45 connector, check out this termination guide: <https://paigedatacom.com/uploads/Media/4/GameChanger%20Termination%20Guide.pdf>



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

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# GameChanger Hazardous Location Cable

ITC-HL Class I Division 1 Armored

258802404

U.S. Patent No.'s 10,453,589; 11,107,605;  
11,562,835; and 11,646,133



## 1.0 Scope

1.1 This cable consists of 4 pair solid bare copper; color-coded Fluorinated Ethylene Propylene (FEP) insulation; inner FEP and PVC jacket, Continuously Corrugated Welded (CCW) Armor and outer PVC jacket. RoHS-2 Compliant, Sunlight Resistant, Direct Burial. Suitable for Class I Div 1, Class II Div 1 installations

UL2250 Listed Type ITC 300V

UL2225 Listed Type ITC-HL 300V for use in Class 1 Div 1 Hazardous locations.

## 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: FEP

2.2.3 O.D.: 0.0425" 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 which is then jacketed with FEP and PVC inner jackets.

## 2.4 Jackets

2.4.1 Material: FEP/PVC/PVC

2.4.2 Natural FEP, 0.218" nom. diameter

2.4.3 Black, PVC, 0.568" nom. diameter

2.4.4 Outer OD: 0.95" nom.

2.4.5 Color: Black

2.4.6 Continuously Corrugated Welded Aluminum Armor between jackets.

2.4.7 Markings: PAIGE GAMECHANGER CABLE™ PATENT NO 10,453,589 ; 11,107,605 ; 11,562,835 ; & 1,646,133AWG 4 Pair (UL) Type ITC-HL Sun Res ROHS (Ascending/Descending length marking)

## 2.5 Electrical Properties

2.5.1 Conductor Resistance:  $\leq 9.38\Omega/100m$

2.5.2 Max DC Resistance Unbalance:  $\leq 5\%$

2.5.3 Nom. Velocity of Propagation 67%

## 2.6 Physical Properties

2.6.1 Nominal Cable Weight: .331Lbs / ft

2.6.2 Bend Radius: Min: 14"

## 2.7 Temperature Rating

2.7.1 -20°C to +60°C (installation)

2.7.2 -50°C to +90°C (operating)

## 3.0 Weights and Dimensions

3.1 Package: Ordered by the foot, shipped on a reel

3.2 Weight: .34 lbs/ ft (without reel)

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20	33	6.2	58	56
25	32	7.8	56	54
31.25	31	8.8	55	53
62.50	29	8.8	50	48
100	28	16.3	47	45

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### HL-Glands

ITC-HL GameChanger Cable works well with Crouse-Hinds Terminator™ TMCX Cable Glands

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- 258300310 - Plenum, White
- 258330804 - OSP (non shielded), Black
- 258340804 - OSP (Shielded), Black

### Frequently Asked Questions

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