

Spectrum 258802404

GameChanger Hazardous Location Cable



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 1 Div 1, Class 2 Div 1 and Class 2 Div 2 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

2.2 Insulation

- 2.2.1 Material: FEP
2.2.2 O.D.: 0.0425" 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 Four 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 Inner Wall Thickness 1: 0.0218" Nom.
2.4.3 Inner Wall Thickness 2: 0.568" Nom.
2.4.4 Outer OD: 0.95" Nom.
2.4.5 Color: Black
2.4.6 Corrugated aluminum armor between jackets.
2.4.7 Markings: PAIGE GAMECHANGER CABLE™ PATENT # 10,453,589 22 AWG 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 Nominal Velocity of Propagation: 68%

Frequency MHz	Return Loss ≥dB/100m	Attenuation ≤dB/100m	NEXT ≥dB/100m	PSNEXT ≥dB/100m
1	28	1.5	77	75
4	31	3.0	68	66
10	33	4.8	62	60
16	33	6.2	59	57
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

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:

- 258300336 - Plenum, Blue with White Stripe
- 258300310 - Plenum, White
- 258330804 - OSP (non shielded), Black
- 258340804 - OSP (Shielded), Black
- 258900804 - Class 1 D2 Black