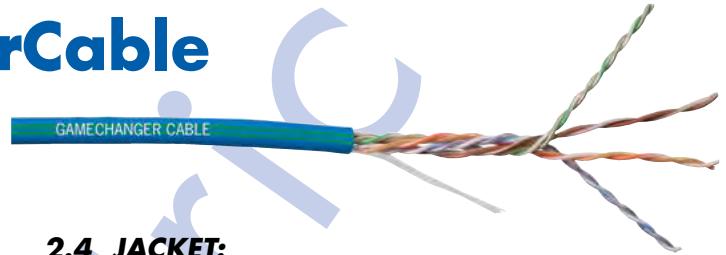


# LoVoltage<sup>spec</sup> 46224PPBLW

Electronic Wire and Cable

## 4 PAIR GameChangerCable UNSHIELDED Plenum - Type CMP



### 1.0 SCOPE:

#### 1.1

This cable consists of 4 pair solid bare copper; color-coded FEP insulation; overall LSFR-PVC jacket. RoHS 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: FEP
- 2.2.2 O.D.: 0.044"+0.002
- 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 stranded together to form the main core.
- 2.3.2 Lay Length:  $\leq 4.724"$

### 2.4 JACKET:

- 2.4.1 Material: LSFR-PVC
- 2.4.2 Wall Thickness: 0.020" nom.
- 2.4.3 OD: 0.248"+0.020
- 2.4.4 Color: PMS 286 Blue with two white stripes
- 2.4.5 Ripcord under jacket
- 2.4.6 Markings: "PAIGE GAMECHANGER PATENT PENDING CMP UL EXXXXX 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:  $\geq 5000M\Omega Km$  (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:  $\leq 5\%$

Frequency MHz	Return Loss $\geq dB/100m$	Attenuation $\leq dB/100m$	NEXT $\geq dB/100m$	PSNEXT $\geq dB/100m$
1	32.7	1.5	82.0	78.5
4	34.4	3.0	71.3	66.8
10	30.5	4.8	63.6	60.3
16	33.5	6.2	56.7	56.2
20	35.0	6.9	55.6	53.6
25	34.1	7.8	59.3	55.3
31.25	31.5	8.8	60.9	56.9
62.50	31.1	12.6	50.9	48.5
100	29.4	16.3	50.2	49.2