



## Southwire® CL4SS™ Class 4 Shielded Cable LS-PVC CL4P/CMP

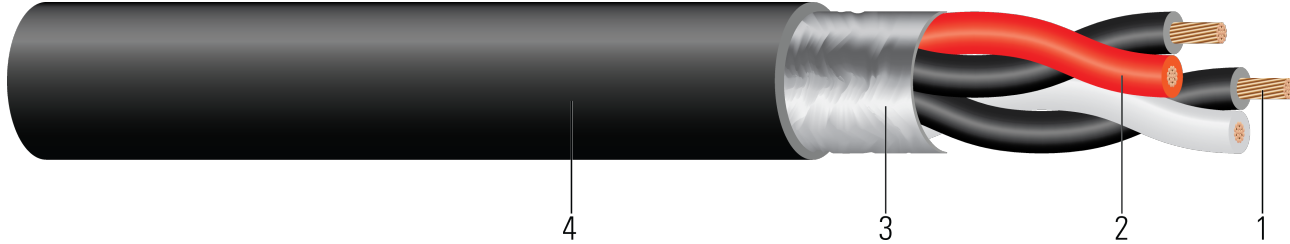


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

- Conductor:** Class B or C stranded soft-drawn bare copper per ASTM B3 and B8
- Insulation:** Twisted pair(s) with premium grade, lead-free, 90°C rated, flame retardant, Polyvinyl Chloride (PVC). Color code: Black/White, Black/Red with alpha-numeric print (1-ONE, 2-TWO)
- Shield** Aluminum foil shield
- Jacket:** Lead-free, 90°C rated, flame retardant, LS, Polyvinyl Chloride (PVC). See Table 3 for jacket colors.

### APPLICATIONS AND FEATURES:

Intended for use in Fault Managed Power Systems (FMPS), remote powering, indoor Class 4 circuits per 2023 National Electrical Code (NEC) article 726. For use, primarily, in Agriculture, Intelligent Buildings, and Wireless Densification. The power source (transmitter) for Class 4 circuits shall be supplied from a power source that has a voltage output of 450 volts (peak or DC) or less.

#### Ratings:

- Normal operating temperature: 90°C
- Temperature Range: -30°C to 90°C
- Cold bend: -30°C
- FT6 Horizontal Flame & Smoke Test

### SPECIFICATIONS:

- Certified to Southwire's UL E352061
- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 1400-2 Fault-Managed Power Systems - Part 2: Requirements for Cables

### SAMPLE PRINT LEGEND:

{SQFTG} SOUTHWIRE® CL4SS P/N CL4P1XXS06XX -- XX AWG X PAIR SHIELDED E537761 (UL) CL4P-FMP (2.0A) 90C OR CMP C(UL)US 90C FT6 -- MADE IN USA ROHS-2 COMPLIANT

**Table 1 – Weights and Measurements**

| Stock Number | Cond. Size    | Number of Pairs | Diameter Over Conductor | Insul. Thickness | Jacket Thickness | Approx. OD | Approx. Weight | Min Bending Radius | DC Resistance @ 25°C |
|--------------|---------------|-----------------|-------------------------|------------------|------------------|------------|----------------|--------------------|----------------------|
|              | AWG/<br>Kcmil | pair            | inch                    | mil              | mil              | inch       | lb/1000ft      | inch               | Ω/1000ft             |
| CL4P184S06   | 18            | 4               | 0.046                   | 10               | 15               | 0.294      | 66             | 3.5                | 6.669                |

All dimensions are nominal and subject to normal manufacturing tolerances





◊ Cable marked with this symbol is a standard stock item

- TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

**Table 2 – Weights and Measurements (Metric)**

| Stock Number | Cond. Size | Number of Pairs | Diameter Over Conductor | Insul. Thickness | Jacket Thickness | Approx. OD | Approx. Weight | Min Bending Radius | DC Resistance @ 25°C |
|--------------|------------|-----------------|-------------------------|------------------|------------------|------------|----------------|--------------------|----------------------|
|              | AWG/Kcmil  | pair            | inch                    | mm               | mm               | mm         | lb/km          | mm                 | Ω/km                 |
| CL4P184S06   | 18         | 4               | 0.046                   | 0.25             | 0.38             | 7.47       | 98             | 88.90              | 21.88                |

**Typical Electrical Specifications for Each Pair**

| Size | Capacitance |
|------|-------------|
| AWG  | pF/ft       |
| 18   | <30         |
| 16   | <30         |
| 14   | <30         |

**Table 3 - Stock Code by Jacket Color**

| Conductor Size | Number of Pairs | Jacket Color                                                                       |                                                                                     |
|----------------|-----------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| AWG            | num             | Black                                                                              | White                                                                               |
|                |                 |  |  |
| 18             | 2               | CL4P182S0608                                                                       | CL4P182S0601                                                                        |
| 18             | 4               | CL4P184S0608                                                                       | CL4P184S0601                                                                        |
| 18             | 6               | CL4P186S0608                                                                       | CL4P186S0601                                                                        |
| 18             | 8               | CL4P188S0608                                                                       | CL4P188S0601                                                                        |
| 16             | 2               | CL4P162S0608                                                                       | CL4P162S0601                                                                        |
| 16             | 4               | CL4P164S0608                                                                       | CL4P164S0601                                                                        |
| 16             | 6               | CL4P166S0608                                                                       | CL4P166S0601                                                                        |
| 16             | 8               | CL4P168S0608                                                                       | CL4P168S0601                                                                        |
| 14             | 2               | CL4P142S0608                                                                       | CL4P142S0601                                                                        |
| 14             | 4               | CL4P144S0608                                                                       | CL4P144S0601                                                                        |
| 14             | 6               | CL4P146S0608                                                                       | CL4P146S0601                                                                        |
| 14             | 8               | CL4P148S0608                                                                       | CL4P148S0601                                                                        |

