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

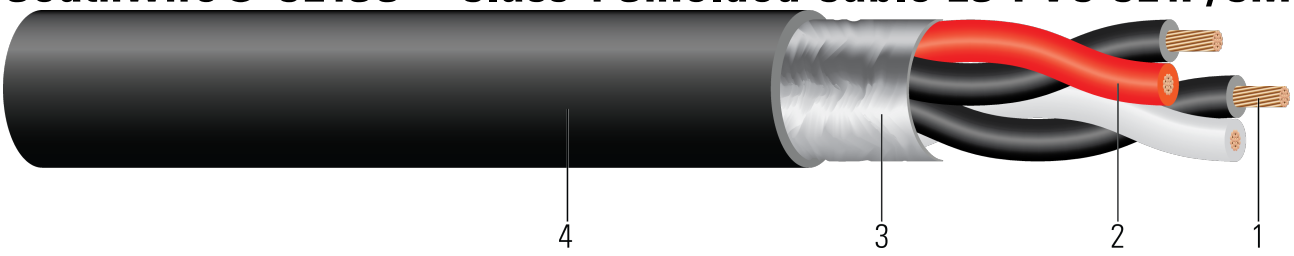


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** Class B or C stranded soft-drawn bare copper per ASTM B3 and B8
2. **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)
3. **Shield** Aluminum foil shield
4. **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/ Kcmil | pair | inch | mil | mil | inch | lb/1000ft | inch | Ω/1000ft |
| CL4P142S06 | 14 | 2 | 0.073 | 10 | 15 | 0.338 | 75 | 4.1 | 2.631 |

All dimensions are nominal and subject to normal manufacturing tolerances

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◊ 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 |
| CL4P142S06 | 14 | 2 | 0.073 | 0.25 | 0.38 | 8.59 | 112 | 104.14 | 8.63 |

## 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 |


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