# OSDP Access Control

OSDP COMPOSITE CABLE - Four Cable Component Assemblies 75°C, 300V Plenum Rated

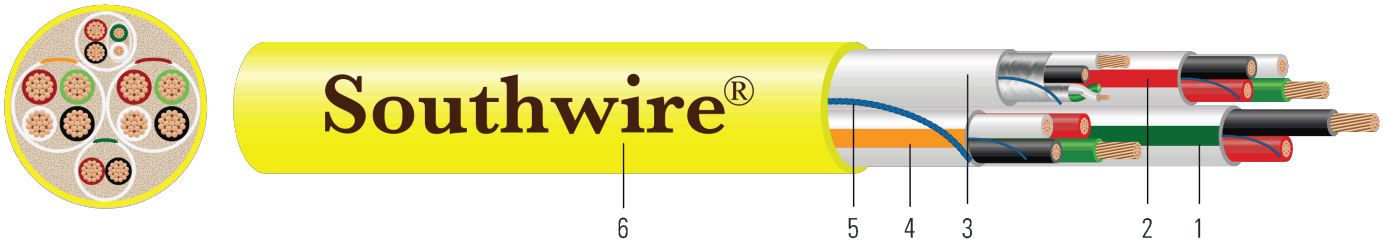



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Door:**
   - **Number of Conductors:** 4/C 22 AWG stranded bare copper per ASTM B3
   - **Conductor Insulation:** Plenum Polymer
     - **Color Code:** Black, red, white, and green
   - **Rip Cord:** Nylon rip cord
   - **Jacket:** White/red stripe Plenum Polymer
   - **Nominal Diameter:** 0.116 inch

2. **REX/Spare:**
   - **Number of Conductors:** 2/C 22 AWG stranded bare copper per ASTM B3
   - **Conductor Insulation:** Plenum Polymer
     - **Color Code:** Black and red
   - **Rip Cord:** Nylon rip cord
   - **Jacket:** White/green stripe Plenum Polymer
   - **Nominal Diameter:** 0.133 inch

3. **OSDP:**
   - **Number of Conductors:** 2/C 18 AWG stranded bare copper + 2/C 22 AWG tinned copper shielded
   - **Insulation:**
     - Plenum Polymer on 18 AWG (black & red)
     - Foam FEP on 22 AWG (green & white)
   - **Pair Drain Wire:** 24 AWG stranded tinned copper
   - **Pair Shield:** Aluminum/Polyester
   - **Low CAP Cable Electricals:**
     - **Impedance:**120 Ω
     - **Capacitance:**12.5 pF/ft
   - **Rip Cord:** Nylon rip cord
   - **Jacket:** White Plenum Polymer
   - **Nominal Diameter:** 0.220 inch


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4. **Lock Power:**
    - **Number of Conductors:** 4/C 18 AWG stranded bare copper per ASTM B3
    - **Insulation:** Plenum Polymer
        - **Color Code:** Black, red, white, and green
    - **Rip Cord:** Nylon rip cord
    - **Jacket:** White/orange stripe Plenum Polymer
    - **Nominal Diameter:** 0.174 inch

5. **Rip Cord:** Nylon rip cord

6. **Overall Construction:** Four components are cabled together and overall jacketed
    - **Jacket:** Yellow Remguard Plenum Polymer
    - **Jacket Thickness:** 15 mil
    - **Nominal Diameter:** 0.414 inch

## APPLICATIONS AND FEATURES:

Access control doors with four functions, typically device dependent. General purpose low voltage and power-limited systems' circuits to NEC Articles 725 and 800.

- Voltage: 300 Volts
- Temperature: 75ºC

## SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- UL 444 Communications Cables (22 AWG - 16 AWG)
- Made in America: Compliant with both Buy American and Buy America Act (BAA) requirements per 49 U.S.C. § 5323(j) and the Federal Transit Administration Buy America requirements per 49 C.F.R. part 661

## SAMPLE PRINT LEGEND:

SOUTHWIRE OSDP COMPOSITE CABLE CMP 6/18AWG 8/22AWG RS-485

Table 1 – Weights and Measurements

| Stock Code | Conductor Size | Jacket Thickness | | Nominal OD | | Nonminal Weight | |
|---|---|---|---|---|---|---|---|
| | AWG | mil | mm | inch | mm | lb/1000ft | kg/km |
| H93001 | 6 cable assy 18 AWG And 8 cable assy 22 AWG | 15 | 0.381 | 0.417 | 10.592 | 92 | 136.9 |


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