

## OSDP Access Control

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

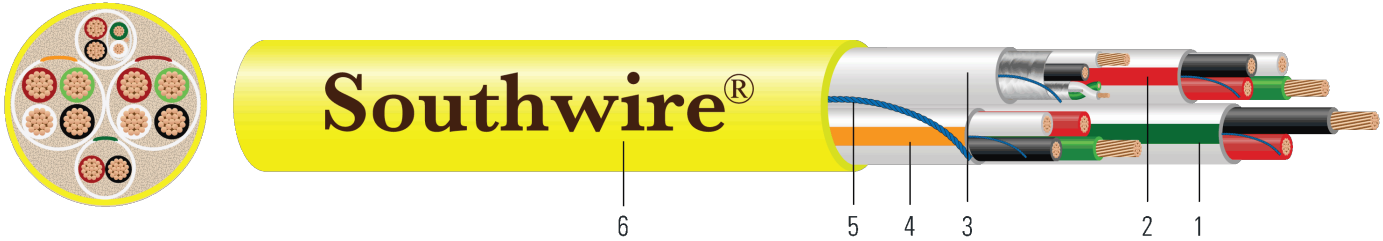


Image not to scale. See Table 1 for dimensions.

### 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  $\Omega$
  - **Capacitance:** 12.5 pF/ft
- **Rip Cord:** Nylon rip cord
- **Jacket:** White Plenum Polymer
- **Nominal Diameter:** 0.220 inch



**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: 75°C

**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

