



## OSDP Access Control

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

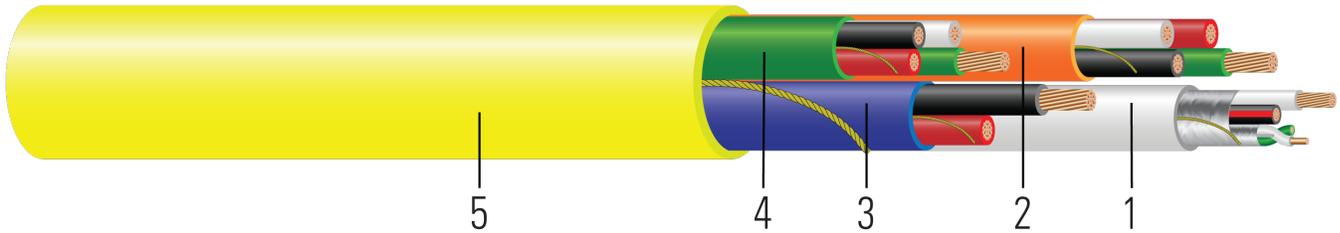


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

#### 1. OSDP Card Reader:

- **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:** Rip cord
- **Jacket:** White Plenum Polymer
- **Nominal Diameter:** 0.222 inch

#### 2. Door Strike

- **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:** Orange Plenum Polymer
- **Nominal Diameter:** 0.174 inch
- **Rip Cord:** Rip cord

#### 3. Door Contact:

- **Number of Conductors:** 2/C 22 AWG stranded bare copper per ASTM B3
- **Conductor Insulation:** Plenum Polymer
  - **Color Code:** Black and Red
- **Rip Cord:** Rip cord
- **Jacket:** Blue Plenum Polymer
- **Nominal Diameter:** 0.124 inch





**4. Request to Exit**

- **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:** Rip cord
- **Jacket:** Green Plenum Polymer
- **Nominal Diameter:** 0.144 inch

**5. Overall Construction:** Four components are cabled together and overall jacketed

- **Jacket:** Plenum Polymer
- **Jacket Thickness:** 16 mil
- **Nominal Diameter:** 0.420 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
- 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:**

{SQFTG} SOUTHWIRE OSDP ACCESS CONTROL CABLE P/N 3197 -- 156205 {CSA} 6/18AWG 8/22AWG CMP 75C FT6 RS-485 MADE IN USA ROHS-2 COMPLIANT

Table 1 – Weights and Measurements

Stock Code	Description	Jacket Thickness		Nominal OD		Nonminal Weight	
		mil	mm	inch	mm	lb/1000ft	kg/km
3197	22/4+22/2+18/4+(22/2S+18/2) CMP	16	0.406	0.420	10.668	107	158.6

