OSDP Access Control

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

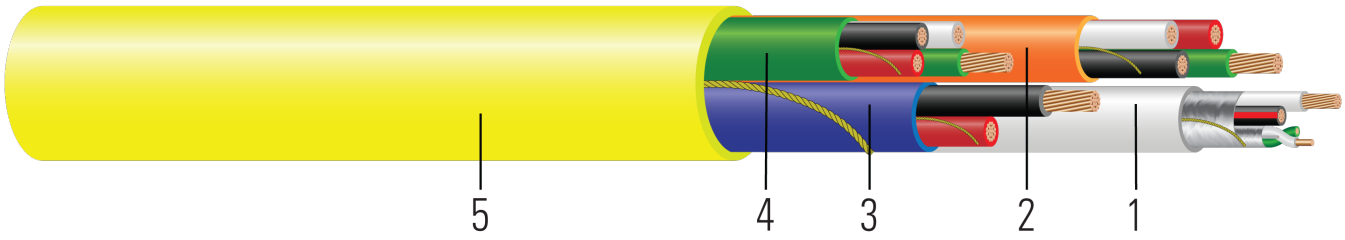


Image not to scale. See Table 1 for dimensions.

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

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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: 75ºC

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

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