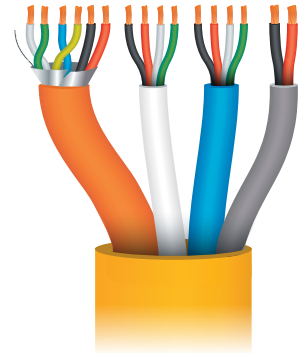




OSDP or Wiegand Access Control Composite Cable

22/2PR STR CMP LoCap + 18/2 STR CMP OAS- Card Reader
22/4 STR CMP - Contacts
22/4 STR CMP - Rex/Motion
16/2 STR CMP - Lock Power



236650807 (1,000 ft reel)

1.0 Scope

1.1 This cable is a composite construction of 4 Plenum rated components that are cabled together with an overall yellow jacket. Component 1 contains (2) low capacitance pairs of 22 AWG stranded copper conductors insulated with color-coded FEP plus (2) 18 AWG stranded copper conductors with color-coded low smoke copolymer, wrapped with a tinned copper drain wire and overall Aluminum-Polyester foil shield, with an orange jacket. The low cap pairs are for RS-485 transmission and the additional 18 AWG pair allows for this cable to connect to Wiegand card readers as well. Component 2 contains (4) 22 AWG stranded copper conductors insulated with color-coded low smoke copolymer, with a white jacket. Component 3 contains (4) 22 AWG stranded copper conductors insulated with color-coded low smoke copolymer, with a blue jacket. Component 4 contains (2) 16 AWG stranded copper conductors insulated with color-coded low smoke copolymer, with a gray jacket.

2.0 Construction

2.1 Component 1 - Reader Cable

2.1.1 Conductor

- 2.1.1.1 Material: Stranded Bare Copper
- 2.1.1.2 Size: 22 AWG Stranded (7 Strand)
- 2.1.1.3 # Conductors: 4 (2 Pair)
- 2.1.1.4 Size: 18 AWG Stranded (7 Strand)
- 2.1.1.5 # Conductors: 2

2.1.2 Insulation

- 2.1.2.1 Material: Foamed FEP
- 2.1.2.2 Wall Thickness: 0.019"
- 2.1.2.3 Color Code: White/Green, Blue/Yellow; Black/Red
- 2.1.2.4 Material: Low Smoke Copolymer

2.1.2.5 Wall Thickness: 0.015"

2.1.2.6 Shield: Aluminum Mylar

2.1.2.7 Shield Coverage: 100%

2.1.3 Drain Wire:

2.1.3.1 Material: Tinned Copper - 24 AWG

2.1.3.2 Construction: Stranded (7 strand)

2.1.4 Jacket

2.1.4.1 Material: Low Smoke Copolymer

2.1.4.2 Wall Thickness: 0.15"

2.1.4.3 OD: .276" nom

2.1.4.4 Color: Orange

2.1.5 Electrical Properties

2.1.5.1 Capacitance CDR-CDR: 12.5 pF/ft

2.1.5.2 DC Resistance: 26.2 Ohms/M'

2.1.5.3 Impedance: 120 Ohms/M'

2.2 Component 2 - Contacts

2.2.1 Conductor

- 2.2.1.1 Material: Stranded Bare Copper
- 2.2.1.2 Size: 22 AWG Stranded (7 Strand)
- 2.2.1.3 # Conductors: 4

2.2.2 Insulation

- 2.2.2.1 Material: Low Smoke Copolymer
- 2.2.2.2 Wall Thickness: 0.007"
- 2.2.2.2 Color Code: Black, Red, White, Green.

2.2.3 Jacket

- 2.2.3.1 Material: Low Smoke Copolymer
- 2.2.3.2 Wall Thickness: 0.015"
- 2.2.3.3 OD: .134" nom
- 2.2.3.4 Color: White

2.2.4 Electrical Properties

- 2.2.4.1 Capacitance CDR-CDR: 32 pF/ft
- 2.2.4.2 DC Resistance: 16.4 Ohms/M'

The information and specifications described herein are subject to error or omission and to change without notice.

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2.3 Component 3 - REX / Motion

2.3.1 Conductor

- 2.3.1.1 Material: Stranded Bare Copper
- 2.3.1.2 Size: 22 AWG Stranded (7 Strand)
- 2.3.1.3 # Conductors: 4

2.3.2 Insulation

- 2.3.2.1 Material: Low Smoke Copolymer
- 2.3.2.2 Wall Thickness: 0.007"
- 2.3.2.3 Color Code: Black, Red, White, Green

2.4.3 Jacket

- 2.4.3.1 Material: Low Smoke Copolymer
- 2.4.3.2 Wall Thickness: 0.15"
- 2.4.3.3 OD: .134"
- 2.4.3.4 Color: Blue

2.3.4 Electrical Properties

- 2.3.4.1 Capacitance CDR-CDR: 65 pF/ft.
- 2.3.4.2 DC Resistance: 6.5 Ohms/M'

2.4 Component 4 - Lock Power (or Aux)

2.4.1 Conductor

- 2.4.1.1 Material: Stranded Bare Copper
- 2.4.1.2 Size: 16 AWG Stranded (7 Strand)
- 2.4.1.3 # Conductors: 2

2.4.2 Insulation

- 2.4.2.1 Material: Low Smoke Copolymer
- 2.4.2.2 Wall Thickness: 0.009"
- 2.4.2.3 Color Code: Black, Red

2.4.3 Jacket

- 2.4.3.1 Material: Low Smoke Copolymer
- 2.4.3.2 Wall Thickness: 0.15"
- 2.4.3.3 OD: .183"
- 2.4.3.4 Color: Gray

2.4.4 Electrical Properties

- 2.4.4.1 Capacitance CDR-CDR: 35 pF/ft.
- 2.4.4.2 DC Resistance: 6.5 Ohms/M'

Compliance:

- Cable suitable for installation under NEC (NFPA 70) articles 805, 725 and 760 guidelines
- Cable suitable for installation in Canada under Section 60 of CEC, Part1
- ETL listed as CMP per ETL standard
- Cable meets NFPA 262 (Steiner tunnel) flame test

2.5 Overall Jacket:

- 2.5.1 Material: Low Smoke Copolymer
- 2.5.2 Wall Thickness: .025"
- 2.5.3 OD: .570" nom
- 2.5.4 Color: Yellow

2.6 Temperature Rating

- 2.6.1 -4°C to 75°C

2.7 Weights and Dimensions

- 2.7.1 Weight: 125 LBS/1000'
- 2.7.2 Package: 500' Reel or 1,000' Reel

3.0 Component Markings

3.1 Component 1 (Reader):

PAIGE OSDP OR WIEGAND READER CABLE 22/2PR + 18/2 SHIELDED 75C (ETL 3054355) CL2P OR C(UL)US CMP FT6 ROHS COMPLIANT MADE IN USA

3.2 Component 2 (Contacts):

PAIGE CONTACTS 22/4C 75C (ETL 3054355) CL2P CMP FT6 ROHS COMPLIANT MADE IN USA

3.3 Component 3 (REX / Power):

PAIGE REX/POWER 22/4C 75C (ETL 3054355) CL2P CMP FT6 ROHS COMPLIANT MADE IN USA

3.4 Component 4 (Lock Power or Aux):

PAIGE LOCK POWER 16/2C 75C (ETL 3054355) CL2P CMP FT6 ROHS COMPLIANT MADE IN USA

3.5 Overall Jacket:

PAIGE OSDP + WIEGAND ACCESS CONTROL CABLE 22/2PR STR + 18/2 OAS (CARD READER) 22/4 STR (CONTACTS) 22/4 (REX) 16/2 (LOCK) 75C (ETL 3054355) CL2P OR CMP FT6 ROHS COMPLIANT MADE IN USA ASCENDING / DESCENDING FOOT MARKINGS

- Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive, RoHS 3 2015/863/EU Directive
- Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated June 27, 2018
- Made in the USA

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