



Composite Access Control Cable

Plenum-Rated Composite, CMP

71ACSSOSDP

1.0 Scope

Plenum-rated composite card access cable with four individually jacketed cable elements under an overall low-smoke PVC jacket: 18/2C, 22/4C shielded RS-485, 22/4C, 22/2C.

Application Card access control systems

2.0 Construction

2.1 Element 1: 18/2C Lock Power

Conductors 2, 18 AWG 7-strand bare copper
Insulation Low-smoke PVC, 0.009" nom.
Color Code Black, Red
Cabling 2.50" left-hand lay
Jacket Low-smoke PVC, 0.015" wall, White
Nominal OD 0.160"
Capacitance 34 pF/ft
Max DCR @ 20°C 6.66 Ω /1000'

2.2 Element 2: 22/4C REX/Spare

Conductors 4, 22 AWG 7-strand bare copper
Insulation Low-smoke PVC, 0.007" nom.
Color Code Black, Red, White, Green
Cabling 3.00" left-hand lay
Jacket Low-smoke PVC, 0.015" wall, White
Nominal OD 0.136"
Capacitance 31 pF/ft
Max DCR @ 20°C 16.9 Ω /1000'

2.3 Element 3: 22/4C Shielded RS-485 (OSDP)

Conductors 4 (2 pairs), 22 AWG 7-strand tinned copper
Insulation Foam FEP, 0.028" nom.
Color Code (White, Green), (Orange, Brown)
Cabling 4.00" left-hand lay
Shield Aluminum/Mylar tape, 24 AWG 7-strand tinned copper drain
Jacket Low-smoke PVC, 0.015" wall, White
Nominal OD 0.330"
Capacitance / Imp. 11 pF/ft / 120 Ω
Max DCR @ 20°C 16.9 Ω /1000'

2.4 Element 4: 22/2C Door Contact

Conductors 2, 22 AWG 7-strand bare copper
Insulation Low-smoke PVC, 0.007" nom.
Color Code Black, Red
Cabling 2.50" left-hand lay
Jacket Low-smoke PVC, 0.015" wall, White
Nominal OD 0.118"
Capacitance 31 pF/ft
Max DCR @ 20°C 16.9 Ω /1000'

3.0 Overall Cable

Four components pulled in parallel and jacketed.

Final Jacket Low-smoke PVC, 0.020" wall, Orange (other colors available)
Nominal Diameter 0.425"
Temp. Rating -4°C to +75°C
ROHS Compliant Yes

4.0 Approvals

Listing ETL: CL3P or c(ETL)us TYPE CMP, 3054355

5.0 Inkjet Printing (Sequential Footmarks)

Element 1 LOCK POWER 18 AWG 2C 75C (ETL) TYPE CL3P or c(ETL)us TYPE CMP 3054355
Element 2 REX/SPARE 22 AWG 4C 75C (ETL) TYPE CL3P or c(ETL)us TYPE CMP 3054355
Element 3 OSDP CARD READER 22 AWG 2 PAIR SHLD 75C (ETL) TYPE CL3P or c(ETL)us TYPE CMP 3054355
Element 4 DOOR CONTACT 22 AWG 2C 75C (ETL) TYPE CL3P or c(ETL)us TYPE CMP 3054355
Overall Jacket PAIGE #71ACSSOSDP CARD ACCESS CONTROL CABLE 18 AWG 2C + 22 AWG 4C + 22 AWG 2 PAIR RS-485 SHLD 75C (ETL) TYPE CL3P or c(ETL)us TYPE CMP 3054355 ROHS DOOR/ZONE

REVISIONS

ECO	REV	DATE	BY	DESCRIPTION
		05/19/2025		Spec issue

Part #: 71ACSSOSDP Ref. #: 9972_PA Spec Issue: 05/19/2025

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