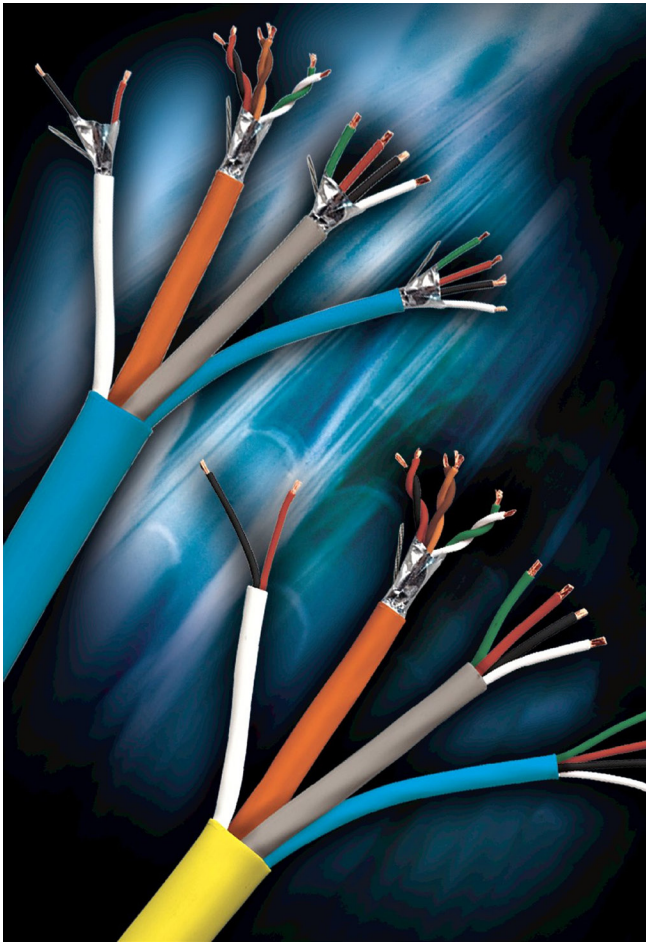


# CAROL® Composite Access Control Cables

**CAROL®**



Prysmian Group's **CAROL® Composite Access Control Cable** is manufactured for Building Access & Control. The cable is designed to allow for a single cable run that incorporates the four components required for card readers, door contacts, locking power and retinal scanners in commercial buildings, distribution centers, manufacturing facilities and government buildings.

The cables are installer-friendly, saving time and money on installation. With multiple cables under one jacket, time is saved in preparation, setup, pulling and termination. The convenience of these cables at installation makes them a popular choice for multiple Access Control applications.

When your job requires Access Control cables, think of CAROL® cables first. Remember, you can always ***Demand Better... Expect More™*** with Prysmian Group CAROL® Electronic Cables. We manufacture over 1,300 standard electronic cables that we can ship direct from stock, and we have the technical staff and design expertise to meet any custom cable requirement.

With North America's most comprehensive portfolio of products for construction and infrastructure applications, Prysmian Group is dedicated to manufacturing wire and cable from brands you know and trust, all manufactured in the U.S.A.

## Special Application Cable

- Hook-Up Wire
- Plenum Cable
- Coaxial Cable
- Microphone Cable
- Computer Cable
- General Purpose Cable
- Multi-Conductor Communication & Control Cable
- Multi-Paired Communication & Control Cable
- Fire Alarm Cable
- Sound & Security Cable

# CAROL® Composite Access Control Cables



## CAROL® Composite Access Control Cables – Plenum

(3) Multi-Conductors • (1) Multi-Pair • Overall Jacket  
60°C 300 Volt (UL) & C(UL) Type CMP

| Catalog Number | Overall Nominal OD Inch (mm) | Comp. No. | Component Descriptions     | Conductors Color Code                      | Component Nominal OD Inch (mm) | Insulation Thickness Inch (mm) |
|----------------|------------------------------|-----------|----------------------------|--------------------------------------------|--------------------------------|--------------------------------|
| 4EPL4S         | 0.430                        | 1         | 4 Cond, 18 AWG, Shielded   | White, Black, Red, Green                   | 0.180 (4.572)                  | 0.008 (0.2032)                 |
|                |                              | 2         | 3 Pair, 22 AWG, Shielded   | White & Green, Orange & Brown, Red & Black | 0.195 (4.593)                  | 0.008 (0.2032)                 |
|                |                              | 3         | 2 Cond, 22 AWG, Shielded   | Red, Black                                 | 0.125 (3.175)                  | 0.008 (0.2032)                 |
|                |                              | 4         | 4 Cond, 22 AWG, Shielded   | White, Black, Red, Green                   | 0.145 (3.683)                  | 0.008 (0.2032)                 |
| 4EPL1S         | 0.420                        | 1         | 4 Cond, 18 AWG, Unshielded | White, Black, Red, Green                   | 0.180 (4.572)                  | 0.008 (0.2032)                 |
|                |                              | 2         | 3 Pair, 22 AWG, Shielded   | White & Green, Orange & Brown, Red & Black | 0.195 (4.593)                  | 0.008 (0.2032)                 |
|                |                              | 3         | 2 Cond, 22 AWG, Unshielded | Red, Black                                 | 0.125 (3.175)                  | 0.008 (0.2032)                 |
|                |                              | 4         | 4 Cond, 22 AWG, Unshielded | White, Black, Red, Green                   | 0.145 (3.683)                  | 0.008 (0.2032)                 |

### Product Construction

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
| Component Conductors | • Stranded Bare Copper                                                                            |
| Jacket               | • Flexguard® PVC<br>• Temp. Range 0°C to 60°C                                                     |
| Jacket Color         | • Yellow                                                                                          |
| Jacket Marking       | • XXXXXX FEET CAROL® ACCESS CONTROL CABLE E116394 22 AWG 12C & 18 AWG 4C (UL) C(UL) CMP -- AAAAAA |
| Industry Approvals   | • (UL), c(UL) Communications Cable                                                                |
| Standard Lengths     | • 500' and 1,000'                                                                                 |



## CAROL® Composite Access Control Cables – Riser

(3) Multi-Conductors • (1) Multi-Pair • Overall Jacket  
60°C 300 Volt (UL) & C(UL) Type CMR

| Catalog Number | Overall Nominal OD Inch (mm) | Comp. No. | Component Descriptions     | Conductors Color Code                      | Component Nominal OD Inch (mm) | Insulation Thickness Inch (mm) |
|----------------|------------------------------|-----------|----------------------------|--------------------------------------------|--------------------------------|--------------------------------|
| 4ERS4S         | 0.430                        | 1         | 4 Cond, 18 AWG, Shielded   | White, Black, Red, Green                   | 0.180 (4.572)                  | 0.008 (0.2032)                 |
|                |                              | 2         | 3 Pair, 22 AWG, Shielded   | White & Green, Orange & Brown, Red & Black | 0.195 (4.593)                  | 0.008 (0.2032)                 |
|                |                              | 3         | 2 Cond, 22 AWG, Shielded   | Red, Black                                 | 0.125 (3.175)                  | 0.008 (0.2032)                 |
|                |                              | 4         | 4 Cond, 22 AWG, Shielded   | White, Black, Red, Green                   | 0.145 (3.683)                  | 0.008 (0.2032)                 |
| 4ERS1S         | 0.420                        | 1         | 4 Cond, 18 AWG, Unshielded | White, Black, Red, Green                   | 0.180 (4.572)                  | 0.008 (0.2032)                 |
|                |                              | 2         | 3 Pair, 22 AWG, Shielded   | White & Green, Orange & Brown, Red & Black | 0.195 (4.593)                  | 0.008 (0.2032)                 |
|                |                              | 3         | 2 Cond, 22 AWG, Unshielded | Red, Black                                 | 0.125 (3.175)                  | 0.008 (0.2032)                 |
|                |                              | 4         | 4 Cond, 22 AWG, Unshielded | White, Black, Red, Green                   | 0.145 (3.683)                  | 0.008 (0.2032)                 |

### Product Construction

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
| Component Conductors | • Stranded Bare Copper                                                                            |
| Jacket               | • PVC<br>• Temp. Range -20°C to 60°C                                                              |
| Jacket Color         | • Blue                                                                                            |
| Jacket Marking       | • XXXXXX FEET CAROL® ACCESS CONTROL CABLE E116394 22 AWG 12C & 18 AWG 4C (UL) C(UL) CMR -- AAAAAA |
| Industry Approvals   | • (UL), c(UL) Communications Cable                                                                |
| Standard Lengths     | • 500' and 1,000'                                                                                 |



### JACKET COLOR CODING & COMPONENT APPLICATION

| JACKET COLOR | COMPONENT | CABLE TYPE          | APPLICATION  |
|--------------|-----------|---------------------|--------------|
| Gray         | 1         | 4 Conductor, 18 AWG | Lock Power   |
| Orange       | 2         | 3 Pair, 22 AWG      | Card Reader  |
| White        | 3         | 2 Conductor, 22 AWG | Door Contact |
| Blue         | 4         | 4 Conductor, 22 AWG | Rex/Spare    |

