



## CAROL®

Prysmian's CAROL® Composite Access Control Cable is specifically manufactured for building access and control. This cable is designed for a single cable run that includes the four components necessary for card readers, door contacts, locking power, and retinal scanners. It is intended for use in schools, commercial buildings, distribution centers, manufacturing facilities, and government buildings.

The cables are easy to install, which saves time and money during installation. Having multiple cables under one jacket

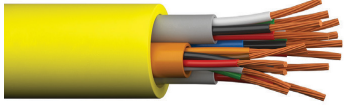
also saves time during preparation, setup, pulling, and termination. Once installed, these convenient cables are a popular choice for multiple Access Control applications.

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

### Special Application Cables:

- 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

# Composite Access Control Cables



## Composite Access Control Cables – Plenum NEC Type CMP, (UL), c(UL)

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 (4.93)	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 (4.93)	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:

#### Conductor:

- Stranded bare copper

#### Jacket:

- Flexguard® PVC
- Temperature range: 0 °C to +60 °C
- Individual elements marked for application (see diagram)
- Yellow overall jacket

#### Shields:

- Choice between all 4 elements shielded or just the 3-pair element shielded

#### Applications:

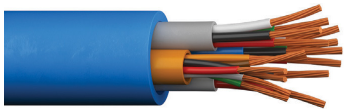
- Security systems
- Access control
- Card reader
- Door control
- REX
- Power-limited controls

#### Compliances:

- NEC Article 800 Type CMP (UL), c(UL)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

#### Packaging:

- 500' and 1000' reels



## Composite Access Control Cables – Riser NEC Type CMR, (UL), c(UL)

Catalog Number	Overall Nominal OD Inch (mm)	Comp. No.	Component Descriptions	Conductors Color Code	Component Nominal OD Inch (mm)	Insulation Thickness Inch (mm)
4ERL4S	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 (4.93)	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)
4ERL1S	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 (4.93)	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:

#### Conductor:

- Stranded bare copper

#### Jacket:

- PVC
- Temperature range: -20 °C to +60 °C
- Individual elements marked for application (see diagram)
- Blue overall jacket

#### Shields:

- Choice between all 4 elements shielded or just the 3-pair element shielded

#### Applications:

- Security systems
- Access control
- Card reader
- Door control
- REX
- Power-limited controls

#### Compliances:

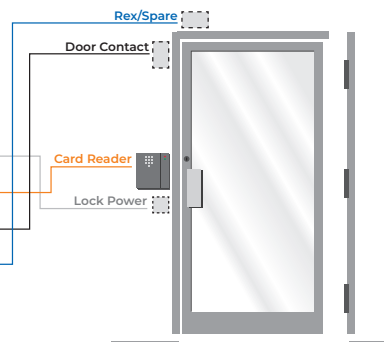
- NEC Article 800 Type CMR (UL), c(UL)
- RoHS Compliant Directive 2015/863/EU (RoHS-3)

#### Packaging:

- 500' and 1000' reels

### 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



### Prysmian

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