

CAROL® FPLR – Fire Alarm Solid or Stranded Riser Rated PVC Cables



CAROL®

Over the past 70 years, Prysmian's CAROL® brand has become synonymous with excellence in wire & cable products. Today, Prysmian takes pride in manufacturing the most comprehensive line of CAROL® Electronics Wire & Cables in the industry.

CAROL® products are manufactured from the finest materials and provide the service and assurance that the end-user needs and requires for use in these systems. In addition to quality materials used in these designs, specifiers and end-users of CAROL® wire and cable products can expect that these products are registered and certified with the leading regulatory agencies.

Prysmian's CAROL® Fire Alarm & Life Safety product offering includes Stranded Fire Alarm Cables fabricated with solid or bare copper conductors and insulations and jackets of color-coded premium-grade PVC or Flexguard® PVC for optimal safety and delivering superior flexibility for easier pulls through conduit, over long distances and around corners.



CL3R & FPLR Stranded Fire Alarm (Riser)

Conductor

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation

- Premium-grade, color-coded S-R PVC
- Color code: See chart on page 2

Jacket

- Premium-grade PVC, gray
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +105°C
- Includes ripcord

Applications

- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances

- NEC Article 725 Type CL3R (UL: 75°C, 150 V)
- NEC Article 800 Type CMR (UL: 105°C, 300 V)
- NEC Article 760 Type FPLR (UL: 75°C, 300 V)
- RoHS Compliant Directive 2011/65/EU
- Suitable for use in the State of California

Packaging

- Please contact Customer Service for packaging and color options

PRODUCT CONSTRUCTION

Catalog Number	# of Cond.	AWG Size	Cond. Strand	Nom. Insulation Thickness		Nom. Jacket Wall		Nominal O.D.	
				in	mm	in	mm	in	m
E1000S	2	22	Solid	0.007	0.20	0.015	0.38	0.118	3.00
E1001S	4	22	Solid	0.007	0.20	0.015	0.38	0.126	3.20
E1002S	2	22	7/30	0.008	0.20	0.015	0.38	0.122	3.10
E1003S	3	22	7/30	0.008	0.20	0.015	0.38	0.130	3.58
E1004S	4	22	7/30	0.008	0.20	0.015	0.38	0.141	3.66
E1006S	6	22	7/30	0.008	0.20	0.015	0.38	0.164	4.17
E1008S	8	22	7/30	0.008	0.20	0.015	0.38	0.180	4.57
E1010S	10	22	7/30	0.008	0.20	0.015	0.38	0.212	5.38
E1012S	12	22	7/30	0.008	0.20	0.015	0.38	0.219	5.56
E1022S	2	20	7/28	0.007	0.18	0.008	0.20	0.134	3.40
E1023S	3	20	7/28	0.008	0.20	0.015	0.38	0.142	3.61
E1024S	4	20	7/28	0.008	0.20	0.015	0.38	0.156	3.96
E1030S	2	18	Solid	0.008	0.20	0.015	0.38	0.144	3.66
E1032S	2	18	7/26	0.008	0.20	0.015	0.38	0.154	3.91
E1033S	3	18	7/26	0.008	0.20	0.015	0.38	0.163	4.14
E1034S	4	18	7/26	0.008	0.20	0.015	0.38	0.180	4.57
E1036S	6	18	7/26	0.008	0.20	0.015	0.38	0.216	5.49
E1038S	8	18	7/26	0.008	0.20	0.015	0.38	0.245	6.22
E1040S	10	18	7/26	0.008	0.20	0.015	0.38	0.282	7.16
E1041S	12	18	7/26	0.009	0.23	0.015	0.38	0.291	7.39
E1042S	2	16	19/0117	0.009	0.25	0.015	0.38	0.178	4.52
E1043S	3	16	19/0117	0.009	0.25	0.015	0.38	0.193	4.90
E1044S	4	16	19/0117	0.009	0.25	0.015	0.38	0.210	5.33
E1052S*	2	14	19/0147	0.013	0.33	0.015	0.38	0.224	5.69
E1054S*	4	14	19/0147	0.013	0.33	0.015	0.38	0.264	6.71
E1062S*	2	12	19/0185	0.013	0.33	0.015	0.38	0.260	6.60
E1064S*	4	12	19/0185	0.013	0.33	0.015	0.38	0.312	7.92

* NEC CL3R/FPLR only. Data subject to change.



CL3P & FPLP Stranded Fire Alarm (Plenum)

Conductor

- Stranded or solid bare copper per ASTM B3, B8 and B286

Insulation

- Premium-grade, color-coded Flexguard® PVC
- Color code: See chart below

Jacket

- Premium-grade Flexguard® PVC, gray
- Sequential footage markings to facilitate installation
- Temperature range: 0°C to +75°C
- Includes ripcord

Applications

- Power-limited control circuits
- Wiring of the following systems:
 - Intercom
 - Security
 - Audio
 - Background music
- Suggested voltage rating: 300 volts

Compliances

- NEC Article 725 Type CL3P (UL: 75°C, 150 V)
- NEC Article 800 Type CMP (UL: 75°C, 300 V)
- NEC Article 760 Type FPLP (UL: 75°C, 300 V)
- Designed to meet NFPA 262 Flame Test
- Suitable for use in the State of California

Packaging

- Please contact Customer Service for packaging and color options

PRODUCT CONSTRUCTION

Catalog Number	# of Cond.	AWG Size	Cond. Strand	Nom. Insulation Thickness		Nom. Jacket Wall		Nominal O.D.	
				in	mm	in	mm	in	m
E3000S	2	22	Solid	0.007	0.18	0.015	0.38	0.108	2.74
E3001S	4	22	Solid	0.007	0.18	0.015	0.38	0.124	3.15
E3002S	2	22	7/30	0.008	0.20	0.015	0.38	0.120	3.05
E3003S	3	22	7/30	0.008	0.20	0.015	0.38	0.127	3.23
E3004S	4	22	7/30	0.008	0.20	0.015	0.38	0.139	3.53
E3006S	6	22	7/30	0.008	0.20	0.015	0.38	0.164	4.17
E3008S	8	22	7/30	0.008	0.20	0.015	0.38	0.178	4.52
E3010S	10	22	7/30	0.008	0.20	0.015	0.38	0.194	4.92
E3012S	12	22	7/30	0.008	0.20	0.015	0.38	0.211	5.36
E3022S	2	20	7/28	0.009	0.23	0.015	0.20	0.134	3.40
E3023S	3	20	7/28	0.009	0.23	0.015	0.20	0.142	3.61
E3024S	4	20	7/28	0.009	0.23	0.015	0.20	0.156	3.96
E3030S	2	18	Solid	0.008	0.20	0.015	0.38	0.142	3.61
E3032S	2	18	7/26	0.008	0.20	0.015	0.38	0.156	3.96
E3033S	3	18	7/26	0.008	0.20	0.015	0.38	0.166	4.22
E3034S	4	18	7/26	0.008	0.20	0.015	0.38	0.187	4.75
E3036S	6	18	7/26	0.008	0.20	0.015	0.38	0.216	5.49
E3038S	8	18	7/26	0.008	0.20	0.015	0.38	0.235	5.97
E3042S	2	16	19/0117	0.008	0.20	0.015	0.38	0.174	4.42
E3043S	3	16	19/0117	0.008	0.20	0.015	0.38	0.185	4.70
E3044S	4	16	19/0117	0.009	0.23	0.008	0.20	0.205	5.21
E3052S*	2	14	19/0147	0.011	0.28	0.015	0.38	0.216	5.49
E3054S*	4	14	19/0147	0.011	0.28	0.015	0.38	0.255	6.48
E3062S*	2	12	19/0185	0.011	0.28	0.015	0.38	0.252	6.40
E3064S*	4	12	19/0185	0.011	0.28	0.015	0.38	0.298	7.57

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COLOR CODE CHART

No. of Cond.	Color	No. of Cond.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan