

# CAROL® Multi-Conductor Shielded Riser Fire Alarm Cable

Copper conductors with premium grade PVC used for Fire alarm systems.



## PRODUCT CONSTRUCTION:

**Conductor:** Stranded or solid bare copper per ASTM B3, B8 and B286

**Insulation:** Premium-grade, color-coded PVC · Color code: See chart below

**Shield:** Overall Flexfoil® polyester supported aluminum foil · Stranded tinned copper drain wire

**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: 105°C, 300 V) · NEC Article 800 Type CMR (UL: 105°C, 300 V) · NEC Article 760 Type FPLR (UL: 105°C, 300 V) · RoHS Compliant Directive 2015/863/EU (RoHS-3) · Suitable for use in the State of California

## APPLICATION PROPERTIES

Flame retardant	No	Resistant to UV	No
Halogen free	No	Outdoor installation	No
Low smoke	No	Underground installation	No
Oil resistant	No		

## STANDARDS AND APPROVALS



We reserve the right to do changes as a result of running product development and/or changes in standards

**ELECTRICAL PROPERTIES**

Catalog Number	No. Of. Cond	AWG / Kcmil	Conductor category	Conductor strand count	Insulation thickness [in]	Insulation thickness [mm]	Jacket thickness [in]	Jacket thickness [mm]	Nominal overall o.d.	Nominal outer diameter [mm]
E2062S	2	12	Class 2 = stranded	19/.0185	0.013	0.33	0.015	0.38	0.281	7.14
E2052S	2	14	Class 2 = stranded	19/.0147	0.013	0.33	0.015	0.38	0.245	6.22
E2054S	4	14	Class 2 = stranded	19/.0147	0.013	0.33	0.015	0.38	0.269	6.83
E2042S	2	16	Class 2 = stranded	19/.0117	0.009	0.23	0.015	0.38	0.189	4.8
E2043S	3	16	Class 2 = stranded	19/.0117	0.009	0.23	0.015	0.38	0.198	5.03
E2044S	4	16	Class 2 = stranded	19/.0117	0.009	0.23	0.015	0.38	0.219	5.56
C4346A	4	16	Class 1 = solid	Solid	0.015	0.38	0.042	1.07	0.285	7.24
C4334A	2	18	Class 1 = solid	Solid	0.015	0.38	0.042	1.07	0.23	5.84
E2032S	2	18	Class 2 = stranded	7/26	0.008	0.2	0.015	0.38	0.159	4.04
E2033S	3	18	Class 2 = stranded	7/26	0.008	0.2	0.015	0.38	0.168	4.27
C4336A	4	18	Class 1 = solid	Solid	0.015	0.38	0.042	1.07	0.26	6.6
E2034S	4	18	Class 2 = stranded	7/26	0.008	0.2	0.015	0.38	0.184	4.67
E2036S	6	18	Class 2 = stranded	7/26	0.008	0.2	0.015	0.38	0.221	5.61
E2038S	8	18	Class 2 = stranded	7/26	0.008	0.2	0.015	0.38	0.24	6.1
E2040S	10	18	Class 2 = stranded	7/26	0.008	0.2	0.015	0.38	0.287	7.29
E2041S	12	18	Class 2 = stranded	7/26	0.008	0.2	0.015	0.38	0.296	7.52
E2022S	2	20	Class 2 = stranded	7/28	0.007	0.18	0.008	0.2	0.142	3.61
E2024S	4	20	Class 2 = stranded	7/28	0.007	0.18	0.008	0.2	0.161	4.09
E2000S	2	22	Class 1 = solid	Solid	0.008	0.2	0.015	0.38	0.117	2.97
E2002S	2	22	Class 2 = stranded	7/30	0.008	0.2	0.015	0.38	0.132	3.35
E2003S	3	22	Class 2 = stranded	7/30	0.008	0.2	0.015	0.38	0.135	3.43

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E2004S	4	22	Class 2 = stranded	7/30	0.008	0.2	0.015	0.38	0.147	3.73
E2006S	6	22	Class 2 = stranded	7/30	0.008	0.2	0.015	0.38	0.173	4.39
E2008S	8	22	Class 2 = stranded	7/30	0.008	0.2	0.015	0.38	0.195	4.95
E2010S	10	22	Class 2 = stranded	7/30	0.008	0.2	0.015	0.38	0.218	5.54
E2012S	12	22	Class 2 = stranded	7/30	0.01	0.25	0.008	0.2	0.222	5.64

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