

# Multi-Conductor, Shielded, Riser

## NEC Type CMR and/or CL3R

**Product Construction:**

**Conductor:**

- Stranded or solid bare copper per ASTM B-3, B-8 and B-286

**Insulation:**

- Premium-grade, color-coded S-R PVC
- Color code: See chart below

**Shield:**

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

**Jacket:**

- Premium-grade, gray PVC
- Sequential footage markings to facilitate installation
- Temperature range: -20°C to +75°C
- Includes ripcord

**Applications:**

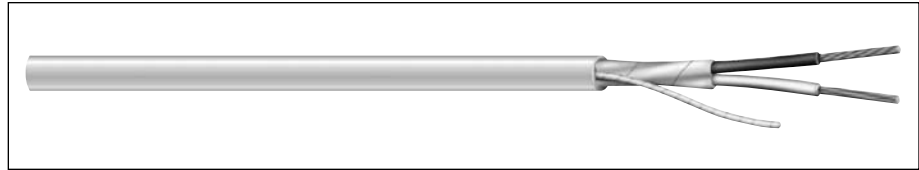
- Power-limited control circuits
- Wiring of the following systems:
  - Intercom
  - Security
  - Audio
  - Background music
- Suggested voltage rating: 300 volts

**Compliances:**

- NEC Article 725 Type CL3R (UL: 75°C,150V)
- NEC Article 800 Type CMR (UL: 75°C, 300V)
- RoHS Compliant Directive 2002/95/EC
- California State Fire Marshall Approved

**Packaging:**

- Please contact Customer Service for packaging and color options



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm

**22 AWG CONDUCTORS**

<b>E2000S</b>	2	22	Solid	0.008	0.20	0.015	0.38	0.117	2.97
<b>E2002S</b>	2	22	7/30	0.008	0.20	0.015	0.38	0.132	3.35
<b>E2003S</b>	3	22	7/30	0.008	0.20	0.015	0.38	0.135	3.43
<b>E2004S</b>	4	22	7/30	0.008	0.20	0.015	0.38	0.147	3.73
<b>E2006S</b>	6	22	7/30	0.008	0.20	0.015	0.38	0.173	4.39
<b>E2008S</b>	8	22	7/30	0.008	0.20	0.015	0.38	0.195	4.95
<b>E2010S</b>	10	22	7/30	0.008	0.20	0.015	0.38	0.218	5.54
<b>E2012S</b>	12	22	7/30	0.010	0.25	0.015	0.38	0.238	6.05

**20 AWG CONDUCTORS**

<b>E2022S</b>	2	20	7/28	0.007	0.18	0.015	0.38	0.142	3.61
<b>E2023S</b>	3	20	7/28	0.008	0.20	0.015	0.38	0.151	3.84
<b>E2024S</b>	4	20	7/28	0.007	0.18	0.015	0.38	0.171	4.34

**18 AWG CONDUCTORS**

<b>E2030S</b>	2	18	Solid	0.009	0.20	0.015	0.38	0.147	3.73
<b>E2032S</b>	2	18	7/26	0.009	0.23	0.015	0.38	0.164	4.17
<b>E2033S</b>	3	18	7/26	0.009	0.23	0.015	0.38	0.172	4.37
<b>E2034S</b>	4	18	7/26	0.009	0.23	0.015	0.38	0.187	4.75
<b>E2036S</b>	6	18	7/26	0.008	0.20	0.015	0.38	0.230	5.54
<b>E2038S</b>	8	18	7/26	0.008	0.20	0.015	0.38	0.250	6.35
<b>E2040S</b>	10	18	7/26	0.008	0.20	0.015	0.38	0.287	7.29
<b>E2041S</b>	12	18	7/26	0.008	0.20	0.015	0.38	0.296	7.52

**16 AWG CONDUCTORS**

<b>E2042S</b>	2	16	19/.0117	0.009	0.23	0.015	0.38	0.189	4.80
<b>E2043S</b>	3	16	19/.0117	0.009	0.23	0.015	0.38	0.198	5.03
<b>E2044S</b>	4	16	19/.0117	0.009	0.23	0.015	0.38	0.219	5.56

**14 AWG CONDUCTORS**

<b>E2052S*</b>	2	14	19/.0147	0.013	0.33	0.015	0.38	0.245	6.22
<b>E2054S*</b>	4	14	19/.0147	0.013	0.33	0.015	0.38	0.269	6.83

**12 AWG CONDUCTORS**

<b>E2062S*</b>	2	12	19/.0185	0.013	0.33	0.015	0.38	0.281	7.14
<b>E2064S*</b>	4	12	19/.0185	0.013	0.33	0.015	0.38	0.312	7.92

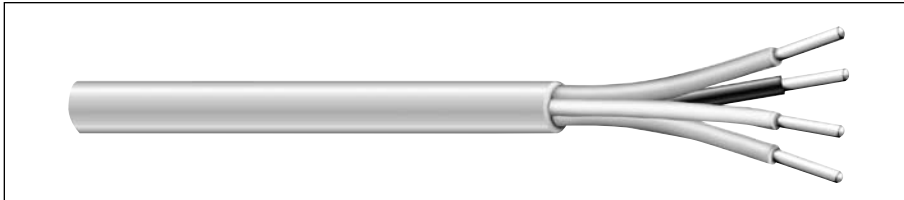
\* NEC CL3R only

**Color Code Chart**

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

# Multi-Conductor, Unshielded, Plenum

NEC Type CMP and/or CL3P



**Product Construction:**

**Conductor:**

- Stranded or solid bare copper per ASTM B-3, B-8 and B-286

**Insulation:**

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

**Jacket:**

- Premium-grade natural Flexguard® PVC
- Sequential footage markings to facilitate installation
- Temperature range: 0°C to +75°C
- Ripcord available—consult Customer Service for details

**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, 150V)
- NEC Article 800 Type CMP (UL: 75°C, 300V)
- Designed to meet NFPA 262 Flame Test
- California State Fire Marshall Approved

**Packaging:**

- Please contact Customer Service for packaging and color options

**Color Code Chart**

NO. OF COND.	COLOR	NO. OF COND.	COLOR
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Violet
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET WALL		NOMINAL O.D.	
				INCHES	mm	INCHES	mm	INCHES	mm
<b>22 AWG CONDUCTORS</b>									
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
<b>20 AWG CONDUCTORS</b>									
E3022S	2	20	7/28	0.009	0.23	0.015	0.38	0.138	3.51
E3023S	3	20	7/28	0.009	0.23	0.015	0.38	0.146	3.71
E3024S	4	20	7/28	0.009	0.23	0.015	0.38	0.161	4.09
<b>18 AWG CONDUCTORS</b>									
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
<b>16 AWG CONDUCTORS</b>									
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	0.015	0.38	0.205	5.21
<b>14 AWG CONDUCTORS</b>									
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
<b>12 AWG CONDUCTORS</b>									
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

\* NEC CL3P only

