

# Mid-Capacitance, Shielded, Plenum

## NEC Type FPLP for Microprocessor-Controlled Systems



CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND	NOM. INSULATION THICKNESS		NOM. JACKET THICKNESS		NOMINAL O.D.		NOMINAL CAP. * pF/ft	
				INCHES	mm	INCHES	mm	INCHES	mm	A	B
<b>C3167</b>	2	18	Solid	0.014	0.36	0.015	0.38	0.172	4.37	31.0	56.0
<b>C3170</b>	4	18	Solid	0.014	0.36	0.015	0.38	0.202	5.13	28.0	50.0
<b>C3168</b>	2	16	Solid	0.016	0.41	0.015	0.38	0.203	5.16	33.0	59.0
<b>C3171</b>	4	16	Solid	0.016	0.41	0.015	0.38	0.238	6.05	29.0	53.0
<b>C3172</b>	2	14	Solid	0.018	0.46	0.020	0.51	0.247	6.27	35.0	63.0
<b>C3173</b>	4	14	Solid	0.018	0.46	0.020	0.51	0.289	7.34	30.0	56.0
<b>C3174</b>	2	12	Solid	0.020	0.51	0.020	0.51	0.289	7.34	38.0	68.0
<b>C3175</b>	4	12	Solid	0.020	0.51	0.020	0.51	0.340	8.64	33.0	60.0

\*A - Capacitance between conductors

\*B - Capacitance between one conductor and other conductors connected to shield

### Color Code Chart

NO. OF COND.	COLOR
1	Black
2	Red
3	Brown
4	Blue

### Product Construction

#### Conductor:

- 18 thru 12 AWG fully annealed solid bare copper per ASTM B-3

#### Insulation:

- Premium-grade, color-coded fluoropolymer
- Color code: See chart below

#### Shield:

- 100% Flexfoil® aluminum/polyester foil, 25% overlap, minimum
- Stranded tinned copper drain wire

#### Jacket:

- Premium-grade, red Flexguard® PVC
- Temperature range: 0°C to +75°C
- Includes ripcord

### Applications:

- Addressable fire alarm systems
- Fire alarm systems
- Voice communications
- Smoke detectors
- Pull boxes
- Suggested voltage rating: 300 volts

### Compliances:

- NEC Article 760 Type FPLP (UL: 75°C, 300V)
- California State Fire Marshall Approved
- Designed to meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

### Features:

- Red PVC jacket for easy critical circuit identification

### Packaging:

- Please contact Customer Service for packaging and color options

Designed to Meet NFPA 262 and CSA FT-6 Steiner Tunnel Fire Tests for Plenum Applications

Underwriters Laboratories Inc.