



## **CL3R/FPLR/CMR/CMG - MultiConductor Shielded Gray PVC Jacket**

300V, 75°C, Multi-Conductor, Shielded, Stranded Copper CL3R/FPLR/CMR/CMG

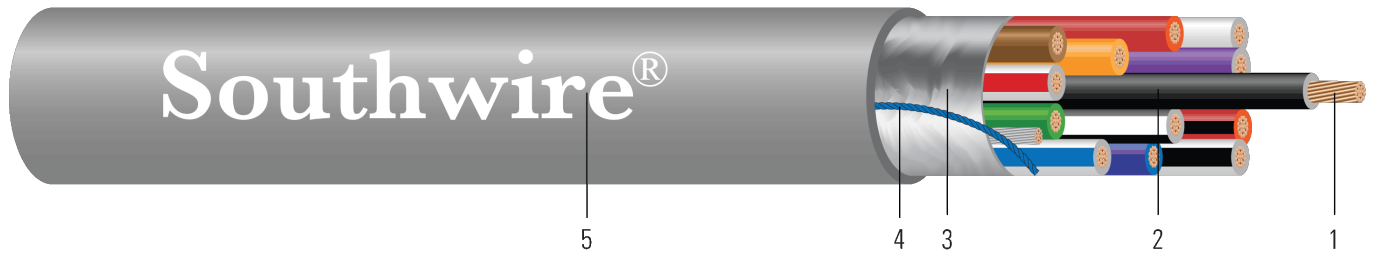


Image not to scale. See Table 1 for dimensions.

### **CONSTRUCTION:**

1. **Conductor:** Stranded bare copper per ASTM B8
2. **Insulation:** Polyvinyl Chloride PVC
3. **Shield:** Aluminum foil shielded with 24 AWG drain wire
4. **Rip Cord:** Rip cord for ease of jacket removal
5. **Jacket:** Gray Polyvinyl Chloride PVC.

### **APPLICATIONS AND FEATURES:**

Remote Control, Signalling, and Power-Limited circuits per NEC Article 725. 22AWG - 16 AWG also as communication circuits per NEC Article 800. Security, sound and audio, speaker cable, public address, intercom, sound reinforcement, alarm and access control circuits and power-limited controls.

- Flame Test: UL 1666
- Cable Type: CL3R, Also, CMR where UL permits (Sizes 16 AWG and smaller)
- Voltage: 300 Volts
- Temperature: 75°C

### **SPECIFICATIONS:**

- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 13 Power-Limited Circuit Cables
- UL 444 Communications Cables (90°C, 300V)

### **SAMPLE PRINT LEGEND:**

XX AWG XX/C E57497 c{UL}US CMR/CL3R/FPLR -- CMG FT4 MADE IN USA ROHS-2 COMPLIANT -- {MM/DD/YY} {HH:MM}  
{SEQUENTIAL FOOTAGE MARKS} SEQ FEET





**Table 1 – Physical and Electrical Data**

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Cond.	Insul. Thickness	Jacket Thickness	Approx. OD	Copper Weight	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance
	AWG	No.	strands	inch	mil	mil	inch	lb / 1000ft	lb /1000ft	Ω /1000ft	Ω /1000ft	Ω/1000ft
16 AWG												
R50031-1	16	4	19	0.056	5	15	0.212	33	43	4.181	5.037	0.033

All dimensions are nominal and subject to normal manufacturing tolerances  
 ◇ Cable marked with this symbol is a standard stock item

