Multi Conductor CL3R/ FPLR/ CMR/ CMG Shielded

300V, 60°C, Multi-Conductor, Shielded, Stranded Copper, CL3R/FPLR/CMR/CMG. Sunlight Resistant. Minimum Operating Temperature -10°C, Maximum Operating Temperature 60°C

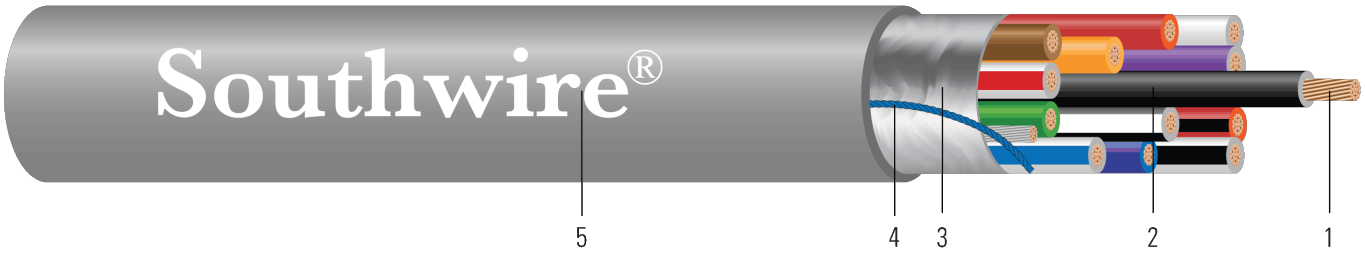

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Stranded bare copper per ASTM B3 and B8
2. **Insulation:** Polyvinyl Chloride (PVC)
3. **Shield:** Aluminum foil shield with 24 AWG tinned drain wire
4. **Rip Cord:** Rip cord for ease of jacket removal
5. **Jacket:** Gray Polyvinyl Chloride (PVC)

APPLICATIONS AND FEATURES:

For use in Remote Control, Signaling, and Power-Limited circuits per NEC Article 725. Sizes 22 AWG - 16 AWG can also be used as communication circuits per NEC Article 800. Can be used in security, sound and audio, speaker cable, public address, intercom, sound reinforcement, alarm and access control circuits and power-limited controls. The conductors are cabled together; lay length varies depending on conductor count and gauge size.

- Flame Test: UL 1666
- Cable Type: CL3R, Also, CMR where UL permits (Sizes 16 AWG and smaller)
- Voltage: 300 Volts
- Minimum Operating Temperature: -10°C
- Maximum Operating Temperature: 60°C
- Sunlight Resistant

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 13 Power-Limited Circuit Cables
- UL 444 Communications Cables (22 AWG - 16 AWG)

SAMPLE PRINT LEGEND:

{SQFTG} XX AWG XX/C E57497 c(UL)US CMR/CL3R/FPLR SUN RES -- 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 Rectance	Jacket Color
	AWG	No.	strands	inch	mil	mil	inch	lb / 1000ft	lb / 1000ft	Ω /1000ft	Ω /1000ft	Ω/1000ft	
22 AWG													
R20007-1	22	2	7	0.022	5	15	0.127	5	10	16.723	20.15	0.030	Gray
R20030-1	22	4	7	0.022	5	15	0.146	9	16	16.723	20.15	0.030	Gray
R20076-1	22	6	7	0.022	5	15	0.172	14	22	16.723	20.15	0.030	Gray
R20024-1	22	8	7	0.022	5	15	0.181	18	28	16.723	20.15	0.030	Gray
R20081-1	22	12	7	0.022	5	15	0.225	27	41	16.723	20.15	0.030	Gray
R20084-1	22	15	7	0.022	5	15	0.232	33	47	16.723	20.15	0.030	Gray
20 AWG													
R30024-1	20	2	7	0.036	5	15	0.138	8	13	10.503	12.65	0.027	Gray
R30042-1	20	4	7	0.036	5	15	0.159	14	21	10.503	12.65	0.027	Gray
18 AWG													
R40013-1	18	2	7	0.045	5	15	0.161	11	16	6.669	8.035	0.036	Gray
R40003-1	18	3	7	0.045	5	15	0.171	16	23	6.669	8.035	0.036	Gray
R40005-1	18	4	7	0.045	5	15	0.18	21	30	6.669	8.035	0.036	Gray
R40611-1	18	6	7	0.045	5	15	0.214	31	42	6.669	8.035	0.036	Gray
R40014-1	18	8	7	0.045	5	15	0.229	41	54	6.669	8.035	0.036	Gray
R40075-1	18	12	7	0.045	5	15	0.277	61	78	6.669	8.035	0.036	Gray
16 AWG													
A50039-1	16	2	19	0.056	5	15	0.191	17	25	4.181	5.037	0.033	Gray
R50044-1	16	3	19	0.056	5	15	0.193	25	33	4.181	5.037	0.033	Gray
R50031-1	16	4	19	0.056	5	15	0.212	33	43	4.181	5.037	0.033	Gray

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