CL3R/FPLR/CMR/CMG - Multi-Conductor Shielded Gray PVC Jacket

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

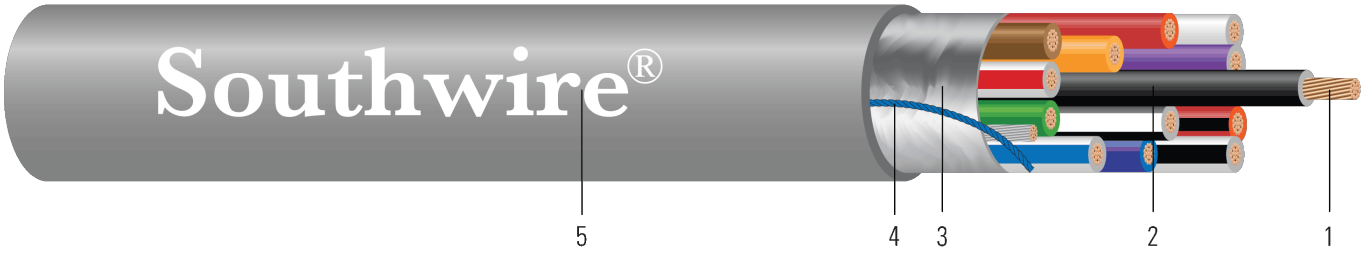

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Stranded bare copper per ASTM B8
2. **Insulation:** Polyvinyl Chloride (PVC)
3. **Shield:** Aluminum foil 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
- Temperature: 75ºC

SPECIFICATIONS:

- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 13 Power-Limited Circuit Cables
- UL 444 Communications Cables (90ºC, 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 Rectance
	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
R20016-1	22	3	7	0.022	5	15	0.128	7	13	16.723	20.15	0.030
R20030-1	22	4	7	0.022	5	15	0.146	9	16	16.723	20.15	0.030
R20076-1	22	6	7	0.022	5	15	0.172	14	22	16.723	20.15	0.030
R20024-1	22	8	7	0.022	5	15	0.181	18	28	16.723	20.15	0.030
R20081-1	22	12	7	0.022	5	15	0.225	27	41	16.723	20.15	0.030
R20084-1	22	15	7	0.022	5	15	0.232	33	47	16.723	20.15	0.030
20 AWG												
R30024-1	20	2	7	0.036	5	15	0.138	8	13	10.503	12.65	0.027
R30041-1	20	3	7	0.036	5	15	0.153	11	17	10.503	12.65	0.027
R30042-1	20	4	7	0.036	5	15	0.159	14	21	10.503	12.65	0.027
18 AWG												
R40013-1	18	2	7	0.045	5	15	0.161	11	16	6.669	8.035	0.036
R40003-1	18	3	7	0.045	5	15	0.171	16	23	6.669	8.035	0.036
R40005-1	18	4	7	0.045	5	15	0.18	21	30	6.669	8.035	0.036
R40611-1	18	6	7	0.045	5	15	0.214	31	42	6.669	8.035	0.036
R40014-1	18	8	7	0.045	5	15	0.229	41	54	6.669	8.035	0.036
R40098-1	18	10	7	0.045	5	15	0.268	51	66	6.669	8.035	0.036
R40075-1	18	12	7	0.045	5	15	0.277	61	78	6.669	8.035	0.036
16 AWG												
A50039-1	16	2	19	0.056	5	15	0.191	17	25	4.181	5.037	0.033
R50044-1	16	3	19	0.056	5	15	0.193	25	33	4.181	5.037	0.033
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