# 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

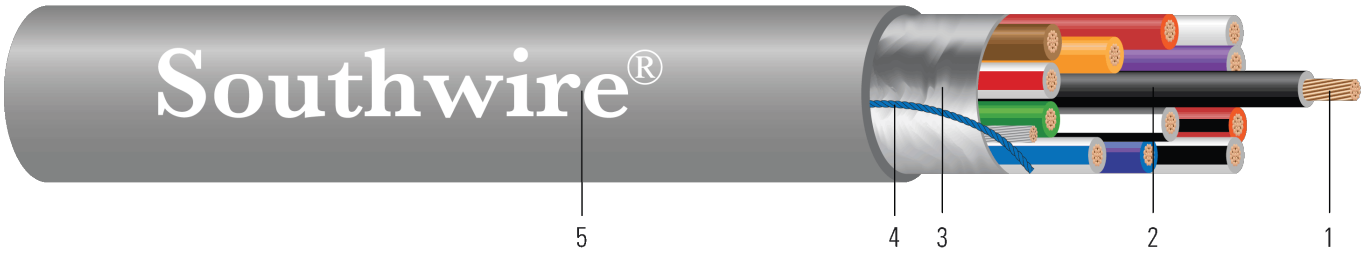



Image not to scale. See Table 1 for dimensions.

## 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


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## 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 | Min Bending Radius |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AWG | No. | strands | inch | mil | mil | inch | lb /1000ft | lb /1000ft | Ω /1000ft | inch |
| 18 AWG | | | | | | | | | | | |
| R40075-1 | 18 | 12 | 7 | 0.045 | 5 | 15 | 0.277 | 62 | 79 | 6.669 | 1.9 |

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


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