

CL3R/FPLR/CMR/CMG - MultiConductor Non-Shielded Gray PVC Jacket

300V, 75°C, Multi-Conductor, Non-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. **Rip Cord:** Rip cord for ease of jacket removal
4. **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



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Table 1 – Physical and Electrical Data

| Stock Number | Cond. Size | Cond. Number | Cond. Strands | Diameter Over Cond. | Jacket Thickness | Approx. OD | Copper Weight | Approx. Weight | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Rectance |
|--------------|------------|--------------|---------------|---------------------|------------------|------------|---------------|----------------|----------------------|----------------------|--------------------|
| | AWG | No. | strands | inch | mil | inch | lb /1000ft | lb /1000ft | Ω /1000ft | Ω /1000ft | Ω/1000ft |
| 22 AWG | | | | | | | | | | | |
| R20047-1 | 22 | 6 | 7 | 0.022 | 15 | 0.157 | 13 | 20 | 16.72 | 20.15 | 0.030 |

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