

DC POWER 600V RHH/RHW LSZH CABLE

List 2 – Class I Stranding, LSZH, 600V

Exclusively distributed by Jupiter Communications

RG FLEX
TELCORDIA-CERTIFIED DC POWER CABLE

The **RG Flex family** of telecommunications power products has been tested and approved by Telcordia and meets the functional performance requirements of GR-347 Issue 3, TPR.9212 and ATIS-0600017.2014. Telcordia affirms that L2, L3 and L4 power cables are suitable for use in all telecommunications facilities including central offices, remote terminal applications and outside plant remote cabinets that house electronics equipment.



RG Flex L3, 2/0 AWG

| Size AWG or kcmil | Stranding Number/dia (Inch) | Conductor diameter (inches) | Insulation min. Thickness (mils) | Nominal insulation diameter (inches) | Nominal braid diameter (inches) | Max.d.c.res. @20°C (ohms/ mft.) | Approx. Weight lbs./mft. |
|-------------------|-----------------------------|-----------------------------|----------------------------------|--------------------------------------|---------------------------------|---------------------------------|--------------------------|
| 14 | 7/0.0240 | 0.071 | 45 | 0.173 | 0.240 | 2.731 | 33.6 |
| 12 | 7/0.0303 | 0.090 | 45 | 0.193 | 0.256 | 1.719 | 48.6 |
| 10 | 7/0.0386 | 0.113 | 45 | 0.217 | 0.279 | 1.079 | 64.1 |
| 8 | 7/0.0484 | 0.143 | 60 | 0.276 | 0.338 | 0.677 | 97.1 |
| 6 | 7/0.0610 | 0.181 | 60 | 0.311 | 0.378 | 0.427 | 127.6 |
| 4 | 7/0.0772 | 0.228 | 60 | 0.358 | 0.425 | 0.268 | 189.8 |
| 2 | 7/0.0972 | 0.286 | 60 | 0.417 | 0.484 | 0.169 | 272.6 |
| 1 | 19/0.0654 | 0.327 | 80 | 0.488 | 0.570 | 0.134 | 355 |
| 1/0 | 19/0.0744 | 0.366 | 80 | 0.539 | 0.610 | 0.106 | 432.0 |
| 2/0 | 19/0.0839 | 0.417 | 80 | 0.587 | 0.661 | 0.084 | 534.4 |
| 4/0 | 19/0.1055 | 0.524 | 80 | 0.693 | 0.771 | 0.052 | 794.4 |
| 350 | 37/0.0972 | 0.665 | 95 | 0.870 | 0.941 | 0.032 | 1258.0 |
| 500 | 37/0.1142 | 0.803 | 95 | 1.008 | 1.078 | 0.021 | 1769.8 |
| 750 | 61/0.1110 | 0.976 | 110 | 1.213 | 1.283 | 0.015 | 2574.6 |

| Parameter | Value |
|-------------------------------|----------------------|
| Operating Voltage | 600V |
| Maximum Operating Temperature | 90 °C dry & 75°C wet |
| Flame Test | VW-1 and FT4 |
| Low Smoke Test | ST1 |
| Halogen Free | IEC60754 IEC60332 |

Conductor

Type L3 DC power cable has a Class B annealed tinned copper flexible stranded conductor as per ASTM B-33 and B172. A mylar tape is applied over the conductor to facilitate easy stripping.

Insulation

Thermosetting low-smoke, lead-free and silicone-free non-halogenated insulation, rated 90°C.

Protective Layer

Woven cotton braid, saturated with a heat resistant, moisture resistant, and flame retardant compound.

Packaging

The ends of all cables supplied shall be capped or taped to prevent the ingress of moisture during shipping or storage.

Testing

Physical and electrical testing in accordance with the requirements of UL Standard 44, Subject 509 and 758, and CSA Standard C22.2 No. 210.2 M90 as AWM.

Cable Sheath Markings

RG Flex L3 NON-HAL(UL) E477980 ___ AWG RHH/RHW 90C DRY AND 75C WET FT4-ST1 OR AWM 3578 105C 600V VW-1 – c(UL) AWM I B 105C 600V FT4 ----Meets IEC60754, IEC60332 xxx FT Sequential footage markings shall be applied at two foot intervals on one side of the cable. Add "FOR CT USE" before "(AWM 3578)" on sizes 1/0 AWG and larger.

Certified by
 Telcordia.



Products are subject to manufacturer tolerances and availability.

www.jupitercommunications.net sales@jupitercommunications.net

2130 S Douglas Dr, Building D, Chandler AZ 85286 P 855-699-5140 480-699-5140 F 480-926-0835

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Reference

Tested and Approved to meet or exceed the following standards:

- Telcordia GR-347-CORE Compliant
- ATIS 0600017.2014 Compliant
- TPR.9212 Compliant
- UL Listed as Central Office Power Cable
- UL Listed Standard 44: Thermoset Insulated Type RHH/RHW/ST1
- UL Listed: For Tray Cable Use (1/0 & Larger)
- FT-4 Flame Test Compliant
- VW-1 Flame Test Compliant
- CSA AWM 1 B 105C
- Zero Halogen
- IEC 60754 and IEC 60332 Compliant
- RoHS / Reach Compliant

RG Flex L3 Telephone Power Cable 600 Volts Class B Stranding - Braided

| Size | Jupiter P/N Gray | Jupiter P/N Green | Jupiter P/N Red | Jupiter P/N Blue | Jupiter P/N Black |
|---------|------------------|-------------------|-----------------|------------------|-------------------|
| 14 STR | 14AWG-L3GY | 14AWG-L3GN | 14AWG-L3RD | 14AWG-L3BL | 14AWG-L3BK |
| 12 STR | 12AWG-L3GY | 12AWG-L3GN | 12AWG-L3RD | 12AWG-L3BL | 12AWG-L3BK |
| 10 STR | 10AWG-L3GY | 10AWG-L3GN | 10AWG-L3RD | 10AWG-L3BL | 10AWG-L3BK |
| 8 STR | 8AWG-L3GY | 8AWG-L3GN | 8AWG-L3RD | 8AWG-L3BL | 8AWG-L3BK |
| 6 STR | 6AWG-L3GY | 6AWG-L3GN | 6AWG-L3RD | 6AWG-L3BL | 6AWG-L3BK |
| 4 STR | 4AWG-L3GY | 4AWG-L3GN | 4AWG-L3RD | 4AWG-L3BL | 4AWG-L3BK |
| 2 STR | 2AWG-L3GY | 2AWG-L3GN | 2AWG-L3RD | 2AWG-L3BL | 2AWG-L3BK |
| 1 STR | 1AWG-L3GY | 1AWG-L3GN | 1AWG-L3RD | 1AWG-L3BL | 1AWG-L3BK |
| 1/0 STR | 1/0-L3GY | 1/0-L3GN | 1/0-L3RD | 1/0-L3BL | 1/0-L3BK |
| 2/0 STR | 2/0-L3GY | 2/0-L3GN | 2/0-L3RD | 2/0-L3BL | 2/0-L3BK |
| 4/0 STR | 4/0-L3GY | 4/0-L3GN | 4/0-L3RD | 4/0-L3BL | 4/0-L3BK |
| 350 STR | 350MCM-L3GY | 350MCM-L3GN | 350MCM-L3RD | 350MCM-L3BL | 350MCM-L3BK |
| 500 STR | 500MCM-L3GY | 500MCM-L3GN | 500MCM-L3RD | 500MCM-L3BL | 500MCM-L3BK |
| 750 STR | 750MCM-L3GY | 750MCM-L3GN | 750MCM-L3RD | 750MCM-L3BL | 750MCM-L3BK |

Tracer cable available upon request



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