

DC POWER 600V RHH/RHW LSZH CABLE

List 2 – Class I Stranding, LSZH, 600V

RG Wire & Cable Limited
67 Cavendish Way
Southfield Industrial Estate
Glenrothes, KY6 2SB
Scotland, UK



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, KS24194, TPR9212 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.



Size AWG or kcmil	Stranding Number/dia (Inch)	Conductor diameter (inches)	Insulation min. Thickness (mils)	Nominal insulation diameter (inches)	Max.d.c.res. @20°C (ohms/ mft.)	Approx. Weight lbs./mft.
14	41/.010"	0.077	45	0.170	2.730	22
12	65/.010"	0.089	45	0.182	1.720	31
10	104/.010"	0.116	45	0.209	1.080	43
8	41/.0201"	0.153	60	0.274	0.6790	78
6	65/.0201"	0.188	60	0.315	0.4360	122
4	105/.0201"	0.260	60	0.385	0.2740	186
2	168/.0201"	0.305	60	0.430	0.1720	256
1/0	266/.0201"	0.392	80	0.560	0.1090	434
2/0	325/.0201"	0.455	80	0.715	0.0868	486
4/0	550/.0201"	0.577	80	0.837	0.0546	780
350	866/.0201"	0.760	95	1.050	0.0334	1206
500	1239/.0201"	0.890	95	1.100	0.0234	1684
750	1936/.0201"	1.094	110	1.414	0.0157	2625

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	IEC 60754 IEC 60332

Conductor

Type L2 Central office Power Cable has a Class I 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 90C.

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 test 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 L2 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-ST1 ----Meets IEC60754, IEC60332 and KS-24194 Sequential footage markings shall be applied at 2 foot intervals on one side of the cable. Add "FOR CT USE" Before "(AWM 3578)" on Sizes 1/0 AWG and larger.

Reference

- UL Listed as: Central Office Power Cable
- UL Listed Standard 44 : Thermoset Insulated Type RHH/RHW/ST1
- UL Listed 'For CT Use' (1/0 & Larger)
- FT-4 Flame Test Compliant
- VW-1 Flame Test Compliant
- CSA AWM 1 B 105C
- Telcordia GR-347-CORE Compliant
- Zero Halogen
- IEC 60754 and IEC 60332 Compliant
- RoHS / Reach Compliant
- ATIS 0600017-2014 Compliant
- KS-24194 and 24194 Compliant



• Products are subject to manufacturer tolerances and availability. For more information, contact your RG sales representative.



DC POWER 600V RHH/RHW LSZH CABLE

List 3 – Class B Stranding, Cloth Jacketed, LSZH, 600V

RG Wire & Cable Limited
67 Cavendish Way
Southfield Industrial Estate
Glenrothes, KY6 2SB
Scotland, UK



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, KS24194, TPR9212 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.



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/.0242"	0.071	45	0.165	0.200	2.730	33
12	7/.0305"	0.090	45	0.185	0.220	1.720	43
10	7/.0385"	0.114	45	0.210	0.250	1.080	59
8	7/0.486"	0.143	60	0.270	0.320	0.678	82
6	7/.0612"	0.180	60	0.305	0.355	0.427	118
4	7/.0772"	0.227	60	0.350	0.400	0.269	173
2	7/.0974"	0.286	60	0.410	0.460	0.169	259
1/0	19/.0745"	0.365	80	0.530	0.580	0.106	415
2/0	19/0.837"	0.411	80	0.575	0.630	0.084	509
4/0	19/.1055"	0.517	80	0.680	0.735	0.052	774
350	37/.0973"	0.667	95	0.860	0.915	0.032	1263
500	37/.1162"	0.797	95	0.990	1.045	0.022	1758
750	61/.1109"	0.978	110	1.200	1.260	0.0148	2618

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	IEC 60754 IEC 60332

Conductor

Type L3 Central office 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 90C.

Protection Layer

Natural cotton braided layer.

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 test 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-ST1 ----Meets IEC60754, IEC60332 and KS-24194

Sequential footage markings shall be applied at 2 foot intervals on one side of the cable. Add "FOR CT USE" Before "(AWM 3578)" on Sizes 1/0 AWG and larger.

Reference

- UL Listed as: Central Office Power Cable
- UL Listed Standard 44 : Thermoset Insulated Type RHH/RHW/ST1
- UL Listed 'For CT Use' (1/0 & Larger)
- FT-4 Flame Test Compliant
- VW-1 Flame Test Compliant
- CSA AWM 1 B 105C
- Telcordia GR-347-CORE Compliant
- Zero Halogen
- IEC 60754 and IEC 60332 Compliant
- RoHS / Reach Compliant
- ATIS 0600017-2014 Compliant
- KS-24194 and 24194 Compliant



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Certified by



DC POWER 600V RHH/RHW LSZH CABLE

List 4 – Class I Stranding, Cloth Jacketed, LSZH, 600V

RG Wire & Cable Limited
67 Cavendish Way
Southfield Industrial Estate
Glenrothes, KY6 2SB
Scotland, UK



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, KS24194, TPR9212 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.



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.
8	41/.0201"	0.153	60	0.274	0.324	0.6790	78
6	65/.0201"	0.188	60	0.315	0.365	0.4360	122
4	105/.0201"	0.260	60	0.385	0.435	0.2740	186
2	168/.0201"	0.305	60	0.430	0.480	0.1720	256
1/0	266/.0201"	0.392	80	0.560	0.610	0.1090	434
2/0	325/.0201"	0.455	80	0.715	0.770	0.0868	486
4/0	550/.0201"	0.577	80	0.837	0.892	0.0546	780
350	866/.0201"	0.760	95	1.050	1.105	0.0334	1206
500	1239/.0201"	0.890	95	1.230	1.285	0.0234	1684
750	1936/.0201"	1.094	110	1.414	1.469	0.0157	2625

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	IEC 60754 IEC 60332

Conductor

Type L4 Central office Power Cable has a Class I 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 90C.

Protection Layer

Natural cotton braided layer.

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 test 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 L4 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-ST1 ----Meets IEC60754, IEC60332 and KS-24194 Sequential footage markings shall be applied at 2 foot intervals on one side of the cable. Add "FOR CT USE" Before "(AWM 3578)" on Sizes 1/0 AWG and larger.

Reference

- UL Listed as: Central Office Power Cable
- UL Listed Standard 44 : Thermoset Insulated Type RHH/RHW/ST1
- UL Listed 'For CT Use' (1/0 & Larger)
- FT-4 Flame Test Compliant
- VW-1 Flame Test Compliant
- CSA AWM 1 B 105C
- Telcordia GR-347-CORE Compliant
- Zero Halogen
- IEC 60754 and IEC 60332 Compliant
- RoHS / Reach Compliant
- ATIS 0600017-2014 Compliant
- KS-24194 and 24194 Compliant



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About Us

With unmatched experience in the industry, RG Wire & Cable Ltd. provides a global wire and cable service that is economical and customer focused. RG's ability to offer both standard and speciality cable will simplify your sourcing while providing unparalleled customer service. Experience quality, variety and simplicity with RG.



Why RG?



RG Cable has unrivalled customer service in the wire and cable industry. We specialize our services to fit each customer's individual needs, no matter the industry or product. Because we structure around the customer, RG is incomparable to other wire and cable suppliers.

Simple Service



At RG, our customers are always our first priority. Because RG provides speciality and custom products, we supply nearly every type of product for any industry. We guarantee that our large selection of products is able to simplify your sourcing needs, making RG your one-stop-shop.

Industries We Serve



RG serves a large range of industries, so you know you can rely on us when it comes to your product needs. We specialise in custom-made products for the following applications – electronics, RF cabling, wireless telecommunications, enterprise cabling, industrial applications and more...

Global Network



With RG you can experience the benefits of global networking while still receiving economical and local advantages. With supply bases in Western Europe, North America and Asia, RG is able to serve our customers from nearly everywhere around the globe.

Products

Wire & Cable

- Coaxial & Triaxial
- RF Coaxial
- Single & Multi - Conductor
- Control Cable
- Broadcast & Comm.
- Speciality & Custom
- and more...

Telecom Products

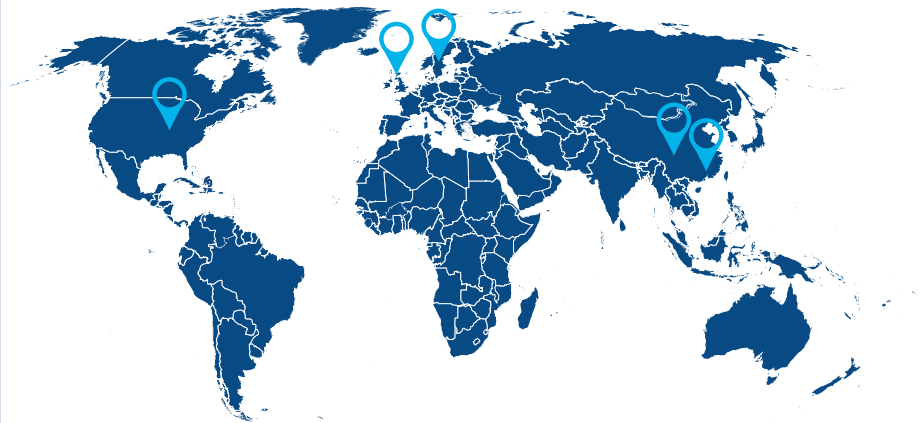
- Low loss cable for antennas
- Hybrid copper fiber solutions for LTE radio
- Base station DC power products
- Fiber to the antenna solutions
- and more...

Fibre Products

- Simplex
- Duplex
- Indoor/Outdoor
- Hybrid Solutions
- Custom Design Capability

Locations

RG has combined services with IEWC and is available at each IEWC site, but operates directly out of the following locations:



SCOTLAND

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SWEDEN

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CHINA

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HONG KONG

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