RG16H1OR12 1.8/3 kV Cable

APPLICATION

Suitable for energy transmission between transformer rooms and big power users. For laying on air, into tube or open pass.Can be laid underground, also if not protected, complying with art. 4.3.11 of CEI 11-17 standard.The cable is suitable for the supply of electricity in buildings and other civil engineering works.

CHARACTERISTICS

Voltage Rating Uo/U (Um)

1.8/3kV

Resistance to UV rays

(ISO 4892-2:2013 / IEC 60811-501:2012 / 1000h)

Temperature Rating

Max. operating temperature: 90°C

- Min. operating temperature: -15°C (without mechanical shocks)
- Max. short circuit temperature: 250°C

Minimum Bending Radius

12 D

STANDARDS

CEI 20-13, IEC 60502 CEI 20-16 (IEC 60840 per 26/45 kV)
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

class 2, compact stranded wire, plain coppe

Semiconductor layer

extruded (only cables Uo/U ≥ 6/10 kv)

Insulation

HEPR rubber, G16 quality, Pb free

Semiconductor layer

Hextruded, cold stripping
(only cables Uo/U ≥ 6/10 kV)

Identification of phases

threads or colored bands

Inner sheath

PVC based compound extruded, penetrating between the cores

Screen

plain copper tapes wrapped

Outer Sheath

PVC based compound, R12 quality

Sheath Colour

- red

GUOWANG CABLE GROUP

Technical characteristics

Formation	Approx. conductor Ø	Average insulation thickness	Approx. external Ø	Approx. cable weight	Current rating A	
n° x mm2	mm	mm	mm	kg/km	in air	buried*
3 x 10	4.0	2.0	22.7	895	85	93
3 x 16	4.8	2.0	24.0	1135	109	120
3 x 25	6.0	2.0	26.5	1520	145	155
3 x 35	7.0	2.0	29.0	1880	175	185
3 x 50	8.1	2.0	31.3	2330	208	216
3 x 70	9.7	2.0	35.2	3150	260	265
3 x 95	11.4	2.0	39.2	4100	318	315
3 x 120	12.9	2.0	42.8	5020	367	360
3 x 150	14.3	2.0	46.1	6040	415	400
3 x 185	16.0	2.0	49.9	7295	476	453
3 x 240	18.3	2.0	55.7	9355	555	520
3 x 300	21.0	2.0	61.5	11540	635	585
3 x 400	23.2	2.0	67.1	14650	716	651

Electrical characteristics

Formation	Max. electrical resistance at 20°C	Conductor apparent resistance at 90°C and 50Hz	Phase reactance	Capacity at 50Hz
n° x mm2	Ω/Km	Ω/Km	Ω/Km	μF/km
3 x 10	1.83	2.34	0.11	0.19
3 x 16	1.15	1.47	0.10	0.23
3 x 25	0.727	0.927	0.097	0.27
3 x 35	0.524	0.669	0.093	0.30
3 x 50	0.387	0.494	0.088	0.34
3 x 70	0.268	0.342	0.084	0.40
3 x 95	0.193	0.247	0.081	0.45
3 x 120	0.153	0.197	0.079	0.50
3 x 150	0.124	0.159	0.077	0.55
3 x 185	0.0991	0.129	0.076	0.60
3 x 240	0.0754	0.0990	0.074	0.68
3 x 300	0.0601	0.0807	0.072	0.75
3 x 400	0.0470	0.0651	0.071	0.83

RG16H1OR12 3.6/6 kV Cable

APPLICATION

Suitable for energy transmission between transformer rooms and big power users. For laying on air, into tube or open pass.Can be laid underground, also if not protected, complying with art. 4.3.11 of CEI 11-17 standard.The cable is suitable for the supply of electricity in buildings and other civil engineering works.

CHARACTERISTICS

Voltage Rating Uo/U (Um)

3.6/6kV

Resistance to UV rays

(ISO 4892-2:2013 / IEC 60811-501:2012 / 1000h)

Temperature Rating

Max. operating temperature: 90°C

- Min. operating temperature: -15°C (without mechanical shocks)
- Max. short circuit temperature: 250°C

Minimum Bending Radius

12 D

STANDARDS

CEI 20-13, IEC 60502 CEI 20-16 (IEC 60840 per 26/45 kV)
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

class 2, compact stranded wire, plain coppe

Semiconductor layer

extruded (only cables Uo/U ≥ 6/10 kv)

Insulation

HEPR rubber, G16 quality, Pb free

Semiconductor layer

Hextruded, cold stripping
(only cables Uo/U ≥ 6/10 kV)

Identification of phases

threads or colored bands

Inner sheath

PVC based compound extruded, penetrating between the cores

Screen

plain copper tapes wrapped

Outer Sheath

PVC based compound, R12 quality

Sheath Colour

- red

GUOWANG CABLE GROUP

Technical characteristics

Formation	Approx. conductor Ø	Average insulation thickness	Approx. external Ø	Approx. cable weight	Current rating A	
n° x mm2	mm	mm	mm	kg/km	in air	buried*
3 x 10	4.0	3.0	26.6	1180	85	93
3 x 16	4.8	3.0	28.5	1480	109	120
3 x 25	6.0	3.0	31.2	1875	145	153
3 x 35	7.0	3.0	33.5	2250	175	183
3 x 50	8.1	3.0	36.2	2790	211	216
3 x 70	9.7	3.0	39.9	3610	262	263
3 x 95	11.4	3.0	43.9	4590	318	315
3 x 120	12.9	3.0	47.7	5580	370	359
3 x 150	14.3	3.0	51.0	6640	415	400
3 x 185	16.0	3.0	54.8	7940	477	451
3 x 240	18.3	3.0	60.6	10060	555	518
3 x 300	21.0	3.0	66.4	12330	635	583
3 x 400	23.2	3.0	72.0	15490	717	651

Electrical characteristics

Formation	Max. electrical resistance at 20°C	Conductor apparent resistance at 90°C and 50Hz	Phase reactance	Capacity at 50Hz
n° x mm2	Ω/Km	Ω/Km	Ω/Km	μF/km
3 x10	1.83	2.34	0.12	0.15
3 x 16	1.15	1.47	0.12	0.17
3 x 25	0.727	0.927	0.11	0.20
3 x 35	0.524	0.669	0.10	0.23
3 x 50	0.387	0.494	0.097	0.26
3 x 70	0.268	0.342	0.092	0.30
3 x 95	0.193	0.247	0.089	0.33
3 x 120	0.153	0.197	0.086	0.37
3 x 150	0.124	0.159	0.084	0.40
3 x 185	0.0991	0.129	0.082	0.44
3 x 240	0.0754	0.0990	0.079	049
3 x 300	0.0601	0.0807	0.077	0.54
3 x 400	0.0470	0.0651	0.075	0.60

RG16H1OR12 6/10kV Cable

APPLICATION

Suitable for energy transmission between transformer rooms and big power users. For laying on air, into tube or open pass.Can be laid underground, also if not protected, complying with art. 4.3.11 of CEI 11-17 standard.The cable is suitable for the supply of electricity in buildings and other civil engineering works.

CHARACTERISTICS

Voltage Rating Uo/U (Um)

6/10kV

Resistance to UV rays

(ISO 4892-2:2013 / IEC 60811-501:2012 / 1000h)

Temperature Rating

Max. operating temperature: 90°C

- Min. operating temperature: -15°C (without mechanical shocks)
- Max. short circuit temperature: 250°C

Minimum Bending Radius

12 D

STANDARDS

CEI 20-13, IEC 60502 CEI 20-16 (IEC 60840 per 26/45 kV)
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

class 2, compact stranded wire, plain coppe

Semiconductor layer

extruded (only cables Uo/U ≥ 6/10 kv)

Insulation

HEPR rubber, G16 quality, Pb free

Semiconductor layer

Hextruded, cold stripping
(only cables Uo/U ≥ 6/10 kV)

Identification of phases

threads or colored bands

Inner sheath

PVC based compound extruded, penetrating between the cores

Screen

plain copper tapes wrapped

Outer Sheath

PVC based compound, R12 quality

Sheath Colour

- red

GUOWANG CABLE GROUP

Technical characteristics

Formation	Approx. conductor Ø	.Average insulation thickness	Approx. external Ø	Approx. cable weight	Current rating A	
n° x mm2	mm	mm	mm	kg/km	in air	buried*
3 x 10	4.0	3.4	33.2	1670	73	78
3 x 16	4.8	3.4	35.1	1975	107	112
3 x 25	6.0	3.4	37.8	2435	145	149
3 x 35	7.0	3.4	40.3	2865	175	178
3 x 50	8.1	3.4	42.6	3395	208	210
3 x 70	9.7	3.4	46.9	4350	260	257
3 x 95	11.4	3.4	50.7	5375	316	307
3 x 120	12.9	3.4	55.1	6470	365	350
3 x 150	14.3	3.4	58.4	7585	407	390
3 x 185	16.0	3.4	62.3	8990	469	440
3 x 240	18.3	3.4	69.3	11365	550	510
3 x 300	21.0	3.4	75.1	13725	630	580
3 x 400	23.2	3.4	80.8	14275	720	655

Electrical characteristics

Formation	Max. electrical resistance at 20°C	Conductor apparent resistance at 90°C and 50Hz	Phase reactance	Capacity at 50Hz
n° x mm2	Ω/Km	Ω/Km	Ω/Km	μF/km
3 x 10	1.83	2.34	0.14	0.16
3 x 16	1.15	1.47	0.13	0.18
3 x 25	0.727	0.927	0.12	0.21
3 x 35	0.524	0.669	0.11	0.23
3 x 50	0.387	0.494	0.11	0.26
3 x 70	0.268	0.342	0.10	0.29
3 x 95	0.193	0.247	0.097	0.32
3 x 120	0.153	0.197	0.094	0.36
3 x 150	0.124	0.159	0.091	0.38
3 x 185	0.0991	0.129	0.088	0.42
3 x 240	0.0754	0.0990	0.085	0.47
3 x 300	0.0601	0.0807	0.084	0.52
3 x 400	0.0470	0.0651	0.082	0.57

RG16H1OR12 8.7/15kV Cable

APPLICATION

Suitable for energy transmission between transformer rooms and big power users. For laying on air, into tube or open pass.Can be laid underground, also if not protected, complying with art. 4.3.11 of CEI 11-17 standard.The cable is suitable for the supply of electricity in buildings and other civil engineering works.

CHARACTERISTICS

Voltage Rating Uo/U (Um)

8.7/15kV

Resistance to UV rays

(ISO 4892-2:2013 / IEC 60811-501:2012 / 1000h)

Temperature Rating

Max. operating temperature: 90°C

- Min. operating temperature: -15°C (without mechanical shocks)
- Max. short circuit temperature: 250°C

Minimum Bending Radius

12 D

STANDARDS

CEI 20-13, IEC 60502 CEI 20-16 (IEC 60840 per 26/45 kV)
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

class 2, compact stranded wire, plain coppe

Semiconductor layer

extruded (only cables Uo/U ≥ 6/10 kv)

Insulation

HEPR rubber, G16 quality, Pb free

Semiconductor layer

Hextruded, cold stripping
(only cables Uo/U ≥ 6/10 kV)

Identification of phases

threads or colored bands

Inner sheath

PVC based compound extruded, penetrating between the cores

Screen

plain copper tapes wrapped

Outer Sheath

PVC based compound, R12 quality

Sheath Colour

- red

Technical characteristics

Formation	Approx. conductor Ø	Average insulation thickness	Approx. external Ø	Approx. cable weight	Current rating A	
n° x mm2	mm	mm	mm	kg/km	in air	buried*
3 x 16	4.8	4.5	40.3	2455	98	101
3 x 25	6.0	4.5	42.8	2935	145	145
3 x 35	7.0	4.5	45.2	3375	177	173
3 x 50	8.1	4.5	47.8	3965	210	204
3 x 70	9.7	4.5	51.8	4950	262	250
3 x 95	11.4	4.5	55.9	6040	315	298
3 x 120	12.9	4.5	59.8	7450	361	339
3 x 150	14.3	4.5	63.1	8305	407	378
3 x 185	16.0	4.5	67.4	9790	470	429
3 x 240	18.3	4.5	73.4	12135	550	500
3 x 300	21.0	4.5	80.2	15025	630	565

Electrical characteristics

Formation	Max. electrical resistance at 20°C	Conductor apparent resistance at 90°C and 50Hz	Phase reactance	Capacity at 50Hz
n° x mm2	Ω/Km	Ω/Km	Ω/Km	μF/km
3 x 16	1.15	1.47	0.14	0.15
3 x 25	0.727	0.927	0.13	0.18
3 x 35	0.524	0.669	0.12	0.19
3 x 50	0.387	0.494	0.12	0.21
3 x 70	0.268	0.342	0.11	0.24
3 x 95	0.193	0.247	0.10	0.26
3 x 120	0.153	0.197	0.10	0.29
3 x 150	0.124	0.159	0.097	0.31
3 x 185	0.0991	0.129	0.094	0.34
3 x 240	0.0754	0.0990	0.090	0.37
3 x 300	0.0601	0.0807	0.088	0.42

RG16H1OR12 12/20kV Cable

APPLICATION

Suitable for energy transmission between transformer rooms and big power users. For laying on air, into tube or open pass.Can be laid underground, also if not protected, complying with art. 4.3.11 of CEI 11-17 standard.The cable is suitable for the supply of electricity in buildings and other civil engineering works.

CHARACTERISTICS

Voltage Rating Uo/U (Um)

12/20kV

Resistance to UV rays

(ISO 4892-2:2013 / IEC 60811-501:2012 / 1000h)

Temperature Rating

Max. operating temperature: 90°C

- Min. operating temperature: -15°C (without mechanical shocks)
- Max. short circuit temperature: 250°C

Minimum Bending Radius

12 D

STANDARDS

CEI 20-13, IEC 60502 CEI 20-16 (IEC 60840 per 26/45 kV)
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

class 2, compact stranded wire, plain coppe

Semiconductor layer

extruded (only cables Uo/U ≥ 6/10 kv)

Insulation

HEPR rubber, G16 quality, Pb free

Semiconductor layer

Hextruded, cold stripping
(only cables Uo/U ≥ 6/10 kV)

Identification of phases

threads or colored bands

Inner sheath

PVC based compound extruded, penetrating between the cores

Screen

plain copper tapes wrapped

Outer Sheath

PVC based compound, R12 quality

Sheath Colour

- red

Technical characteristics

Formation	Approx. conductor Ø	Average insulation thickness	Approx. external Ø	Approx. cable weight	Current rating A	
n° x mm2	mm	mm	mm	kg/km	in air	buried*
3 x 16	4.8	3.4	39.5	2805	105	111
3 x 25	6.0	3.4	41.4	3055	143	145
3 x 35	7.0	3.4	44.9	3805	170	172
3 x 50	8.1	3.4	47.4	4415	205	203
3 x 70	9.7	3.4	51.5	5415	253	250
3 x 95	11.4	3.4	55.5	6545	305	296
3 x 120	12.9	3.4	60.1	7855	353	375
3 x 150	14.3	3.4	63.8	9000	393	375
3 x 185	16.0	3.4	67.9	10510	447	425
3 x 240	18.3	3.4	74.9	13005	525	490
3 x 300	21.0	3.4	80.5	15460	595	550

Electrical characteristics

Formation	Max. electrical resistance at 20°C	Conductor apparent resistance at 90°C and 50Hz	Phase reactance	Capacity at 50Hz
n° x mm2	Ω/Km	Ω/km	Ω/Km	μF/km
3 x 16	1.15	1.47	0.13	0.18
3 x 25	0.727	0.927	0.12	0.21
3 x 35	0.524	0.669	0.11	0.23
3 x 50	0.387	0.494	0.11	0.26
3 x 70	0.268	0.342	0.10	0.29
3 x 95	0.193	0.247	0.097	0.32
3 x 120	0.153	0.197	0.094	0.36
3 x 150	0.124	0.159	0.091	0.38
3 x 185	0.0991	0.129	0.088	0.42
3 x 240	0.0754	0.099	0.085	0.47
3 x 300	0.0601	0.0807	0.084	0.52

RG16H1OR12 18/30kV Cable

APPLICATION

Suitable for energy transmission between transformer rooms and big power users. For laying on air, into tube or open pass.Can be laid underground, also if not protected, complying with art. 4.3.11 of CEI 11-17 standard.The cable is suitable for the supply of electricity in buildings and other civil engineering works.

CHARACTERISTICS

Voltage Rating Uo/U (Um)

18/30kV

Resistance to UV rays

(ISO 4892-2:2013 / IEC 60811-501:2012 / 1000h)

Temperature Rating

Max. operating temperature: 90°C

- Min. operating temperature: -15°C (without mechanical shocks)
- Max. short circuit temperature: 250°C

Minimum Bending Radius

12 D

STANDARDS

CEI 20-13, IEC 60502 CEI 20-16 (IEC 60840 per 26/45 kV)
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

class 2, compact stranded wire, plain coppe

Semiconductor layer

extruded (only cables Uo/U ≥ 6/10 kv)

Insulation

HEPR rubber, G16 quality, Pb free

Semiconductor layer

Hextruded, cold stripping
(only cables Uo/U ≥ 6/10 kV)

Identification of phases

threads or colored bands

Inner sheath

PVC based compound extruded, penetrating between the cores

Screen

plain copper tapes wrapped

Outer Sheath

PVC based compound, R12 quality

Sheath Colour

- red

Technical characteristics

Formation	Approx. conductor Ø	Average insulation thickness	Approx. external Ø	Approx. cable weight	Current rating A	
n° x mm2	mm	mm	mm	kg/km	in air	buried*
3 x 25	7.0	8.0	62.0	5815	177	174
3 x 50	8.1	8.0	64.1	6165	210	205
3 x 70	9.7	8.0	67.9	7265	260	250
3 x 95	11.4	8.0	71.9	8520	315	300
3 x 120	12.9	8.0	77.0	9975	360	340
3 x 150	14.3	8.0	80.4	11285	405	380
3 x 185	16.0	8.0	84.1	12625	465	430
3 x 240	18.3	8.0	90.3	15260	545	496

Electrical characteristics

Formation	Max. electrical resistance at 20°C	Conductor apparent resistance at 90°C and 50Hz	Phase reactance	Capacity at 50Hz
n° x mm2	Ω/Km	Ω/km	Ω/km	μF/km
3 x 25	0.524	0.669	0.14	0.14
3 x 50	0.387	0.494	0.13	0.15
3 x 70	0.268	0.342	0.13	0.16
3 x 95	0.193	0.247	0.12	0.18
3 x 120	0.153	0.197	0.12	0.19
3 x 150	0.124	0.159	0.11	0.20
3 x 185	0.0991	0.129	0.11	0.22
3 x 240	0.0754	0.0990	0.10	0.24

RG16H1OR12 26/45kV Cable

APPLICATION

Suitable for energy transmission between transformer rooms and big power users. For laying on air, into tube or open pass.Can be laid underground, also if not protected, complying with art. 4.3.11 of CEI 11-17 standard.The cable is suitable for the supply of electricity in buildings and other civil engineering works.

CHARACTERISTICS

Voltage Rating Uo/U (Um)

26/45kV

Resistance to UV rays

(ISO 4892-2:2013 / IEC 60811-501:2012 / 1000h)

Temperature Rating

Max. operating temperature: 90°C

- Min. operating temperature: -15°C (without mechanical shocks)
- Max. short circuit temperature: 250°C

Minimum Bending Radius

12 D

STANDARDS

CEI 20-13, IEC 60502 CEI 20-16 (IEC 60840 per 26/45 kV)
EN 50575:2014 + EN 50575/A1:2016 (IEC 60332-1-2)

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

class 2, compact stranded wire, plain coppe

Semiconductor layer

extruded (only cables Uo/U ≥ 6/10 kv)

Insulation

HEPR rubber, G16 quality, Pb free

Semiconductor layer

Hextruded, cold stripping
(only cables Uo/U ≥ 6/10 kV)

Identification of phases

threads or colored bands

Inner sheath

PVC based compound extruded, penetrating between the cores

Screen

plain copper tapes wrapped

Outer Sheath

PVC based compound, R12 quality

Sheath Colour

- red

Technical characteristics

Formation	Approx. conductor Ø	Average insulation thickness	Approx. external Ø	Approx. cable weight	Current rating A	
n° x mm2	mm	mm	mm	kg/km	in air	buried*
3 x 70	9.7	10.3	81.7	8650	255	241
3 x 95	11.4	10.3	85.6	9980	308	288
3 x 120	12.9	10.0	87.8	12395	353	327
3 x 150	14.3	9.5	89.4	13405	398	366

Electrical characteristics

Formation	Max. electrical resistance at 20°C	Conductor apparent resistance at 90°C and 50Hz	Phase reactance	Capacity at 50Hz
n° x mm2	Ω/km	Ω/km	Ω/km	μF/km
3 x 70	0.268	0.342	0.14	0.15
3 x 95	0.193	0.247	0.13	0.16
3 x 120	0.153	0.196	0.13	0.17
3 x 150	0.124	0.160	0.12	0.21