

JS Cable
LAN Cable

JS Cable
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■ Products & Systems of JS Cable



Marine & Offshore Cables



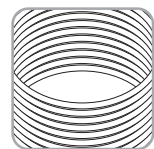
Rubber & Specialty Cables



Electric Cables



Data Cables



Copper Rod

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The Innovative Challenger For
Your Dream

P r e f a c e

A new beginning to deliver the dream of customers - JS Cable

A new name of endless innovation and creative ideas - JS Cable

Since its foundation in 1968, JS Cable has been a pioneer in rubber cable industry and known for its excellence in quality and technology.

JS Cable is a world class leader in shipboard and offshore cable products with state of art facilities. We pursue global standard quality, safety and health and environment with full compliance of ISO 9001 (Quality Management), ISO 14001 (Environment Management) and OHSAS 18001 (Safety and Healthy working Environment Management) standards.

We continue to strive for a pace setter in cable manufacturing industry by implementing state of art R&D Center, best practice HR Program, and a new ERP initiative.

A mission to deliver light, energy, and information to global communities - JS Cable

A great leap into the future, relentless pursue for customer value - JS Cable

With our customers, we devote our full attention to make a better world tomorrow.

■ Products & Systems of JS Cable

Marine & Offshore Cables



Rubber & Specialty Cables



Electric Cables



Data Cables

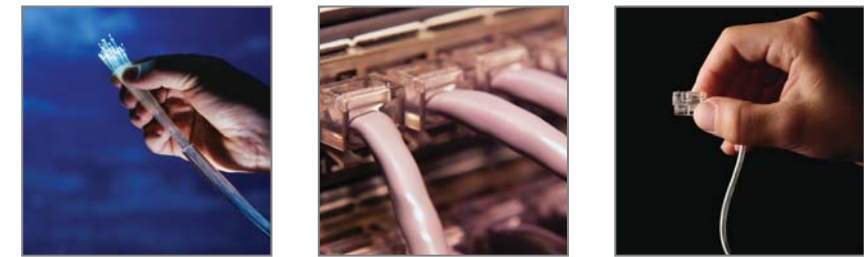


Copper Rod



C o m p a n y P r o f i l e

- 1968 ● The company incorporated in the name of YONHAP CABLE Co., Ltd.
- 1978 ● Designated as a specialized factory for shipbuilding materials & equipment.
- 1984 ● Stock listed for public subscription.
- 1987 ● Moved to new constructed factory site located in Cheon-An.
- 1990 ● Communication cable plant completed in Mokchon.
- 1992 ● Operation of the copper smelting furnace plant commenced.
- 1995 ● ISO 9001 certification acquired (LRQA).
- 1996 ● Corporate name changed to Jinro Industries Co., Ltd.
- 2000 ● LAN cable production line started its commercial operation.
- 2001 ● TL (Telecommunication Leadership) 9000 certification acquired (LRQA).
ETL for IEEE 45 Type P Off-shore and Marine structure cables acquired.
UL for UL 1309 Type Off-shore and Marine structure cables acquired.
- 2002 ● Korean World Class Products Award for Marine Cable in 2002.
(Minister of Commerce, Industry and Energy Republic of Korea)
- 2004 ● ISO 14001 certification acquired (LRQA).
- 2005 ● OHSAS 18001 certification acquired (LRQA).
The corporate governance of the company acquired by LS Group.
- 2007 ● Corporate name changed to JS Cable Co., Ltd.



C o t e n t s

UTP Cables CAT. 6	04
UTP Cables Enhanced CAT. 5E	06
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UTP Cables CAT. 6
 UTP Cables Enhanced CAT. 5E
 UTP Cables CAT. 5
 UTP Cables CAT. 3
 Outdoor UTP Cables CAT. 5
 FTP Cables CAT. 5/5E
 S-FTP Cables CAT. 5/5E

UTP Cables CAT. 6
 UTP Cables Enhanced CAT. 5E
 UTP Cables CAT. 5
 UTP Cables CAT. 3
 Outdoor UTP Cables CAT. 5
 FTP Cables CAT. 5/5E
 S-FTP Cables CAT. 5/5E



UTP(Unshielded Twisted Pair) Cables CAT. 6

Application Standard

- Data And Voice Transmission(250MHz)
- Gigabit Ethernet
- 155/622 Mbps ATM
- 100/1000 Base-T(IEEE 802.3)
- ADSL/VDSL/ISDN

Standards Applied

- ANSI/EIA/TIA-568-B.2-1
- ISO/IEC-11801
- KSC-3342
- TIA-854(Gigabit Ethernet)
- UL-444

Type

- 4 Pair

Industry Standards And Construction

Type	Standards	Construction
CMR	UL-1666	Conductor : 0.54mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : Flame Retardant PVC
CM	UL-1581 IEC 332-3	Conductor : 0.54mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : Flame Retardant PVC

Product Spec.

Type	Color	Pair NO./ Conductor Dia.	External Dia. mm	Weight Kg/Km	Packing	Standard Length m
CMR	Gray	4/0.54	6.4	43	BOX	300
	Black	4/0.54	6.4	43	BOX	300
CM	Gray	4/0.54	6.4	43	BOX	300
	Black	4/0.54	6.4	43	BOX	300
	Blue	4/0.54	6.4	43	BOX	300
	Red	4/0.54	6.4	43	BOX	300
	Yellow	4/0.54	6.4	43	BOX	300

Electrical Performance

DC Resistance(Max.) Ω/100m at 20°C	DC Resistance Unbalance(Max.) %	Mutual Capacitance nF/100m at 1KHz/20°C	Capacitance Unbalance(Max.) pF/100m at 1KHz
9.38	5.0	5.6	330

Frequency MHz	RL (Min.) dB	Attenuation (Max.) dB	Pr-Pr NEXT (Min.) dB	Powersum NEXT (Min.) dB	Pr-Pr ELFEXT (Min.) dB	Powersum ELFEXT (Min.) dB
0.772	-	1.8	76.0	74.0	70.0	67.0
1.0	20.0	2.0	74.3	72.3	67.8	64.8
4.0	23.0	3.8	65.3	63.3	55.7	52.7
8.0	24.5	5.3	60.8	58.8	49.7	46.7
10.0	25.0	6.0	59.3	57.3	47.8	44.8
16.0	25.0	7.6	56.2	54.2	43.7	40.7
20.0	25.0	8.5	54.8	52.8	41.7	38.7
25.0	24.3	9.5	53.3	51.3	39.8	36.8
31.25	23.6	10.7	51.9	49.9	37.8	34.9
62.5	21.5	15.4	47.4	45.4	31.8	28.8
100.0	20.1	19.8	44.3	42.3	27.8	24.8
200.0	18.0	29.0	39.8	37.8	21.7	18.7
250.0	17.3	32.8	38.3	36.3	19.7	16.8



UTP(Unshielded Twisted Pair) Cables Enhanced CAT. 5E

Application Standard

- Data And Voice Transmission(100MHz)
- Gigabit Ethernet
- 155 Mbps ATM
- 100 Mbps Fast Ethernet
- 10/100 Base-T(IEEE 802.3)
- ADSL/VDSL/ISDN

Standards Applied

- ANSI/EIA/TIA-568-B.2
- ISO/IEC-11801
- KSC-3342
- UL-444

Type

- 2/4/25 Pair

Industry Standards And Construction

Type	Standards	Construction
CMR	UL-1666	Conductor : 0.51mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : Flame Retardant PVC
CM	UL-1581 IEC 332-3	Conductor : 0.51mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : Flame Retardant PVC

Product Spec.

Type	Color	Pair NO./ Conductor Dia.	External Dia. mm	Weight Kg/Km	Packing	Standard Length m
CMR	Gray	4/0.51	5.2	30	BOX	300
	Black	4/0.51	5.2	30	BOX	300
CMR	Gray	2/0.51	4.8	20	BOX	300
	Gray	4/0.51	5.2	30	BOX	300
	Black	4/0.51	5.2	30	BOX	300
	Blue	4/0.51	5.2	30	BOX	300
	Red	4/0.51	5.2	30	BOX	300
	Yellow	4/0.51	5.2	30	BOX	300

Electrical Performance

DC Resistance(Max.) Ω/100m at 20°C	DC Resistance Unbalance(Max.) %	Mutual Capacitance nF/100m at 1KHz/20°C	Capacitance Unbalance(Max.) pF/100m at 1KHz
9.38	5.0	5.6	330

Frequency MHz	RL (Min.) dB	Attenuation (Max.) dB	Pr-Pr NEXT (Min.) dB	Powersum NEXT (Min.) dB	Pr-Pr ELFEXT (Min.) dB	Powersum ELFEXT(Min.) dB
0.772	-	1.8	67.0	64.0	66.3	63.0
1.0	20.0	2.0	65.3	62.3	63.8	60.8
4.0	23.0	4.1	56.3	53.3	51.7	48.7
8.0	24.5	5.8	51.8	48.8	45.7	42.7
10.0	25.0	6.5	50.3	47.3	43.8	40.8
16.0	25.0	8.2	47.2	44.2	39.7	36.7
20.0	25.0	9.3	45.8	42.8	37.3	34.7
25.0	24.3	10.4	44.3	41.3	35.8	32.8
31.25	23.6	11.7	42.9	39.9	33.8	30.9
62.5	21.5	17.0	38.4	35.4	27.8	24.8
100.0	20.1	22.0	35.3	32.3	23.8	20.8



UTP(Unshielded Twisted Pair) Cables CAT. 5

Application Standard

- Data And Voice Transmission(100MHz)
- 155 Mbps ATM
- 100 Mbps Fast Ethernet
- 10/100 Base-T(IEEE 802.3)
- ADSL/VDSL/ISDN

Standards Applied

- ANSI/EIA/TIA-568-B.2
- ISO/IEC-11801
- KSC-3342
- UL-444

Type

- 2/4/25/50/100 Pair

Industry Standards And Construction

Type	Standards	Construction
CMR	UL-1666	Conductor : 0.51mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : Flame Retardant PVC
CM	UL-1581 IEC 332-3	Conductor : 0.51mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : Flame Retardant PVC

Product Spec.

Type	Color	Pair NO./ Conductor Dia.	External Dia.	Weight	Packing	Standard Length
			mm	Kg/Km		m
CMP	Gray	2/0.51	4.8	20	BOX	300
	Gray	4/0.51	5.2	30	BOX	300
	Gray	25/0.52	13.0	160	DRUM	300/500/1,000
	Gray	50/0.52	19.0	330	DRUM	300/500/1,000
	Gray	100/0.52	26.0	640	DRUM	300/500/1,000
CM	Gray	2/0.51	4.8	20	BOX	300
	Gray	4/0.51	5.2	30	BOX	300
	Blue	4/0.51	5.2	30	BOX	300
	Black	4/0.51	5.2	30	BOX	300
	Red	4/0.51	5.2	30	BOX	300
	Green	4/0.51	5.2	30	BOX	300
	Gray	25/0.52	13.0	160	DRUM	300/500/1,000
	Gray	50/0.52	19.0	330	DRUM	300/500/1,000
	Gary	100/0.52	26.0	640	DRUM	300/500/1,000

Electrical Performance

DC Resistance(Max.)	DC Resistance Unbalance(Max.)	Mutual Capacitance	Capacitance Unbalance(Max.)
$\Omega/100m$ at 20°C	%	nF/100m at 1KHz/20°C	pF/100m at 1KHz
9.38	5.0	5.6	330

Frequency	Characteristic Impedance	Attenuation(Max.)	Pr-Pr NEXT(Min.)	SRL(Min.)
MHz	Ω	dB	dB	dB
0.772	-	1.8	64.0	-
1.0	100±15	2.0	62.0	23.0
4.0	100±15	4.1	53.0	23.0
8.0	100±15	5.8	48.0	23.0
10.0	100±15	6.5	47.0	23.0
16.0	100±15	8.2	44.0	23.0
20.0	100±15	9.3	42.0	23.0
25.0	100±15	10.4	41.0	22.0
31.25	100±15	11.7	39.0	21.0
62.5	100±15	17.0	35.0	18.0
100.0	100±15	22.0	32.0	16.0

UTP Cables CAT. 6
 UTP Cables Enhanced CAT. 5E
 UTP Cables CAT. 5
 UTP Cables CAT. 3
 Outdoor UTP Cable CAT. 5
 FTP Cables CAT. 5/5E
 S-FTP Cables CAT. 5/5E



UTP(Unshielded Twisted Pair) Cables CAT. 3

Application Standard

- Data and Voice Transmission(16MHz)
- 4Mbps Token Ring(IEEE 802.5)
- 10 Base-T(IEEE 802.3)
- Substitution for TIV, CPEV Cables
- ADSL

Standards Applied

- ANSI/EIA/TIA-568-B.2
- ISO/IEC-11801
- KSC-3342
- UL-444

Type

- 2/4/25/50/75/100/150/200/300/400/600 Pair

Industry Standards And Construction

Type	Standards	Construction
CMR	UL-1666	Conductor : 0.50mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : Flame Retardant PVC
CM	UL-1581 IEC 332-3	Conductor : 0.51mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : Flame Retardant PVC

Product Spec.

Type	Color	Pair NO./ Conductor Dia.	External Dia. mm	Weight Kg/Km	Packing	Standard Length m
CMR	Gray	2/0.50	4.3	17	BOX	300
	Gray	4/0.50	5.0	27	BOX	300
	Gray	25/0.50	11.5	143	DRUM	300/500/1,000
	Gray	50/0.50	15.4	275	DRUM	500/1,000
	Gray	75/0.50	18.0	440	DRUM	500/1,000
	Gray	100/0.50	21.0	525	DRUM	500/1,000
	Gray	150/0.50	24.9	757	DRUM	500/1,000
	Gray	200/0.50	28.7	1020	DRUM	500/1,000
	Gray	300/0.50	31.7	1470	DRUM	500/1,000
	Gray	400/0.50	41.0	1900	DRUM	500/1,000
CM	Gray	600/0.50	46.0	2600	DRUM	500/1,000
	Gray	2/0.50	4.3	17	BOX	300
	Gray	4/0.50	5.0	27	BOX	300
	Gray	25/0.50	11.5	143	DRUM	300/500/1,000
	Gray	50/0.50	15.4	275	DRUM	500/1,000
	Gray	75/0.50	18.0	440	DRUM	500/1,000
	Gray	100/0.50	21.0	525	DRUM	500/1,000
	Gray	150/0.50	24.9	757	DRUM	500/1,000
	Gray	200/0.50	28.7	1020	DRUM	500/1,000
	Gray	300/0.50	31.7	1470	DRUM	500/1,000
Gray	400/0.50	41.0	1900	DRUM	500/1,000	
Gray	600/0.50	46.0	2600	DRUM	500/1,000	

Electrical Performance

DC Resistance(Max.) Ω/100m at 20°C	DC Resistance Unbalance(Max.) %	Mutual Capacitance nF/100m at 1KHz/20°C	Capacitance Unbalance(Max.) pF/100m at 1KHz
9.38	5.0	5.6	330

Frequency MHz	Characteristic Impedance Ω	Attenuation(Max.) dB	Pr-Pr NEXT(Min.) dB	SRL(Min.) dB
0.772	-	2.2	43.0	43.0
1.0	100±15	2.6	41.0	41.0
4.0	100±15	5.6	32.0	32.0
8.0	100±15	8.5	27.0	27.0
10.0	100±15	9.7	26.0	26.0
16.0	100±15	13.1	23.0	100±15

UTP Cables CAT. 6
UTP Cables Enhanced CAT. 5E
UTP Cables CAT. 5
UTP Cables CAT. 3
Outdoor UTP Cable CAT. 5
FTP Cables CAT. 5/5E
S-FTP Cables CAT. 5/5E



Outdoor UTP Cable CAT. 5

Application Standard

- Outdoor Data And Voice Transmission(100MHz)
- 155 Mbps ATM
- 100 Mbps Fast Ethernet
- 10/100 Base-T(IEEE 802.3)
- ADSL/VDSL/ISDN

Standards Applied

- Producer spec.
- ANSI/EIA/TIA-568-B.2
- ISO/IEC-11801
- UL-444

Type

- General Type 16/25/50/100 PAIR
- Self Supporting Type 16/25/50/100 Pair

Industry Standards And Construction

Type	Standards	Construction
General	-	Conductor : 0.52mm Annealed Copper Wire(24AWG) Insulation : HDPE Sheath : PE
Self Supporting	-	Conductor : 0.52mm Annealed Copper Wire(24AWG) Insulation : HDPE Supporting Wire : Galvanized Steel Wire(7/1.2mm) Sheath : PE

Product Spec.

Type	Color	Pair NO./ Conductor Dia.	External Dia. mm	Weight Kg/Km	Packing	Standard Length m
General	Black	16/0.52	11.0	110	DRUM	300/500/1,000
	Black	25/0.52	13.0	160	DRUM	300/500/1,000
	Black	50/0.52	19.0	330	DRUM	300/500/1,000
	Black	100/0.52	26.0	640	DRUM	300/500/1,000

Electrical Performance

DC Resistance(Max.) Ω/100m at 20°C	DC Resistance Unbalance(Max.) %	Mutual Capacitance nF/100m at 1KHz/20°C	Capacitance Unbalance(Max.) pF/100m at 1KHz
9.38	5.0	5.6	330

Frequency MHz	Characteristic Impedance Ω	Attenuation(Max.) dB	Pr-Pr NEXT(Min.) dB	SRL(Min.) dB
0.772	-	1.8	64.0	-
1.0	100±15	2.0	62.0	23.0
4.0	100±15	4.1	53.0	23.0
8.0	100±15	5.8	48.0	23.0
10.0	100±15	6.5	47.0	23.0
16.0	100±15	8.2	44.0	23.0
20.0	100±15	9.3	42.0	23.0
25.0	100±15	10.4	41.0	22.0
31.25	100±15	11.7	39.0	21.0
62.5	100±15	17.0	35.0	18.0
100.0	100±15	22.0	32.0	16.0

UTP Cables
CAT. 6

UTP Cables
Enhanced CAT. 5E

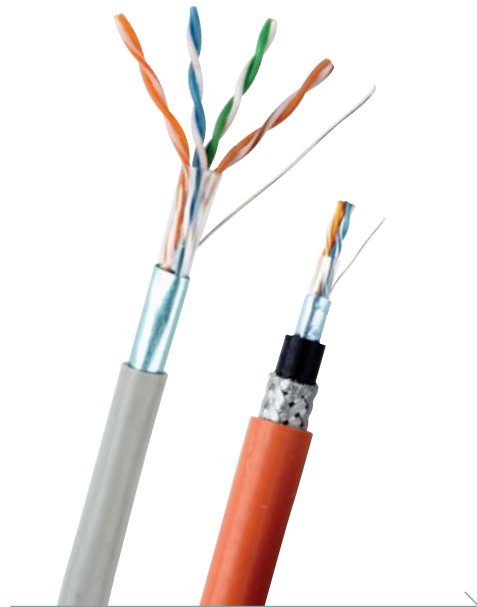
UTP Cables
CAT. 5

UTP Cables
CAT. 3

Outdoor UTP
Cables CAT. 5

FTP Cables
CAT. 5/5E

S-FTP Cables
CAT. 5/5E



FTP(Foiled Twisted Pair) Cables CAT. 5/5E

Application Standard

- Data And Voice Transmission(100MHz) (Protection From EMI)
- 155 Mbps ATM
- 100 Mbps Fast Ethernet
- 10/100 Base-T(IEEE 802.3)
- ADSL/VDSL/ISDN

Standards Applied

- ANSI/EIA/TIA-568-B.2
- ISO/IEC-11801
- UL-444

Type

- F/UTP 4 Pair
- FTP-YC(Double Protective Covering with Armour) 4 Pair
- FTP-YCY(Triple Protective Covering with Armour) 4 Pair
- FTP-ICI(Double SHF1 Protective Covering with Armour) 4 Pair

Industry Standards And Construction

Type	Standards	Construction
CMR	UL-1666	Conductor : 0.53mm Annealed Copper Wire(24AWG) Insulation : HDPE Core shield : Al/Mylar Tape Drain Wire : 0.5mm Tin Coated Annealed Copper Wire Sheath : Flame Retardant PVC
CM	UL-1581 IEC 332-3	Conductor : 0.53mm Annealed Copper Wire(24AWG) Insulation : HDPE Core shield : Al/Mylar Tape Drain Wire : 0.5mm Tin Coated Annealed Copper Wire Sheath : Flame Retardant PVC

Product Spec.

Type	Color	Pair NO./ Conductor Dia.	External Dia.	Weight	Packing	Standard Length
			mm	Kg/Km		m
CMR	Gray	4/0.53	6.4	45	Reel	300
	Black	4/0.53	6.4	45	Reel	300/1,000
CM	Gray	4/0.53	6.4	45	Reel	300
	Black	4/0.53	6.4	45	Reel	300/1,000

Electrical Performance

DC Resistance(Max.)	DC Resistance Unbalance(Max.)	Mutual Capacitance	Capacitance Unbalance(Max.)
$\Omega/100m$ at 20°C	%	nF/100m at 1KHz/20°C	pF/100m at 1KHz
9.38	5.0	5.6	330

Frequency	Characteristic Impedance	Attenuation(Max.)	Pr-Pr NEXT(Min.)	SRL(Min.)
MHz	Ω	dB	dB	dB
0.772	-	1.8	64.0	-
1.0	100±15	2.0	62.0	23.0
4.0	100±15	4.1	53.0	23.0
8.0	100±15	5.8	48.0	23.0
10.0	100±15	6.5	47.0	23.0
16.0	100±15	8.2	44.0	23.0
20.0	100±15	9.3	42.0	23.0
25.0	100±15	10.4	41.0	22.0
31.25	100±15	11.7	39.0	21.0
62.5	100±15	17.0	35.0	18.0
100.0	100±15	22.0	32.0	16.0

UTP Cables
CAT. 6

UTP Cables
Enhanced CAT. 5E

UTP Cables
CAT. 5

UTP Cables
CAT. 3

Outdoor UTP
Cable CAT. 5

FTP Cables
CAT. 5/5E

S-FTP Cables
CAT. 5/5E



S-FTP(Screened-Foiled Twisted Pairs) Cables CAT. 5/5E

Application Standard

- Data And Voice Transmission(100MHz) (Protection From EMI)
- 155 Mbps ATM
- 100 Mbps Fast Ethernet
- 10/100 Base-T(IEEE 802.3)
- ADSL/VDSL/ISDN

Standards Applied

- ANSI/EIA/TIA-568-B.2
- ISO/IEC-11801
- UL-444

Type

- 4 Pair

Industry Standards And Construction

Type	Standards	Construction
CMR	UL-1666	Conductor : 0.53mm Annealed Copper Wire(24AWG) Insulation : HDPE Core shield : Al/Mylar Tape Drain Wire : 0.5mm Tin Coated Annealed Copper Wire Metallic Screen : 0.12 Tin Coated Annealed Copper Wire Sheath : Flame Retardant PVC
CM	UL-1581 IEC 332-3	Conductor : 0.53mm Annealed Copper Wire(24AWG) Insulation : HDPE Core shield : Al/Mylar Tape Drain Wire : 0.5mm Tin Coated Annealed Copper Wire Metallic Screen : 0.12 Tin Coated Annealed Copper Wire Sheath : Flame Retardant PVC

Product Spec.

Type	Color	Pair NO./ Conductor Dia.	External Dia.	Weight	Packing	Standard Length
			mm	Kg/Km		m
CMR	Gray	4/0.53	7.2	65	Reel	300
	Black	4/0.53	7.2	65	Reel	300
CM	Gray	4/0.53	7.2	65	Reel	300
	Black	4/0.53	7.2	65	Reel	300

Electrical Performance

DC Resistance(Max.)	DC Resistance Unbalance(Max.)	Mutual Capacitance	Capacitance Unbalance(Max.)
$\Omega/100m$ at 20°C	%	nF/100m at 1KHz/20°C	pF/100m at 1KHz
9.38	5.0	5.6	330

Frequency	Characteristic Impedance	Attenuation(Max.)	Pr-Pr NEXT(Min.)	SRL(Min.)
MHz	Ω	dB	dB	dB
0.772	-	1.8	64.0	-
1.0	100±15	2.0	62.0	23.0
4.0	100±15	4.1	53.0	23.0
8.0	100±15	5.8	48.0	23.0
10.0	100±15	6.5	47.0	23.0
16.0	100±15	8.2	44.0	23.0
20.0	100±15	9.3	42.0	23.0
25.0	100±15	10.4	41.0	22.0
31.25	100±15	11.7	39.0	21.0
62.5	100±15	17.0	35.0	18.0
100.0	100±15	22.0	32.0	16.0