



ELESUN

PRODUCT MANUAL



Jiangsu Elesun Cable Co.,Ltd

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Jiangsu ElesunCable Co.,Ltd

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We have impeccable quality assurance system, the product comply with CCC(China Compulsory Certification, American UL certification, ISO9001.

Our products are widely used in telecommunication, auto GPS, aerospace, navigation, and electricity. We export our product to America, Germany, Japan, South Korea and middle Asia and also provide good service to the new and old customers.

INTRODUCTION

Jiangsu Elesun Cable Co, Ltd, which established in year 2000 located in Dantu Industrial Zone, Jiangsu PR. the annual putout capacity reaches USD\$ 50 million.

Our product covers:

- Coaxial Cable(SYV/SYWV/D-FB/C-V/RG/Teflon)
 - Instrumentation cable: (KVV, KVVP, RVVP, computer cable)
 - Hook-up Wire (THNN/THWN/UL1007/1015)
 - Power supply cable(PVC/XLPE/LSOH)
 - LAN Cable(Cat5, Cat5E, Cat6)
 - Elevator Cable(TVVB)
- (With UL certificate & Rosh)



SYV-50 Series of Solid PE Insulation RF Coaxial Cable

SYV-50 Series of Polyethylene Insulation RF Coaxial Cable is produced according to the standard of GB/T14864-2013. The cable is widely used for analog signal and high speed digital signal transmission.

The cable is featured as stable impedance, low loss, low delay, minimum attenuation. And widely used in GPS, broadband antenna, indoor antenna, radio communication and electronic device with similar technology properties as RG174,RG58.

Product Structure(mm)



Item No.	Inner Conductor		Insulation O.D.	Outer Conductor		Jacket	
	Material	Roots×O.D.		Material	Braiding	Thickness	O.D.
SYV-50-2-1	Bare Copper	7×0.16	1.50	Bare Copper	Single Braiding	0.45	2.8
SYV50-2-7	Copper Clad Steel	7×0.16	1.50	Bare Copper	Single Braiding	0.45	2.8
SYV-50-2-41	Bare Copper	1×0.68	2.20	Bare Copper	Single Braiding	0.56	4.0
SYV-50-3-1	Bare Copper	7×0.32	2.95	Bare Copper	Single Braiding	0.75	5.0
SYV-50-3-4	Bare Copper	1×0.90	2.95	Bare Copper	Single Braiding	0.75	5.0
SYV-50-3-41	Bare Copper	1×0.90	2.95	Bare Copper	Double Braiding	0.80	5.8
SYV-50-5-1	Bare Copper	1×1.40	4.80	Bare Copper	Single Braiding	0.88	7.2
SYV-50-5-41	Bare Copper	1×1.40	4.80	Bare Copper	Double Braiding	0.92	7.9
SYV-50-7-2	Bare Copper	7×0.75	7.25	Bare Copper	Single Braiding	1.05	10.3
SYV-50-7-41	Bare Copper	7×0.75	7.25	Bare Copper	Double Braiding	1.10	11.0
SYV-50-9-41	Bare Copper	7×0.95	9.0	Bare Copper	Single Braiding	1.18	12.2
SYV-50-12-41	Bare Copper	7×1.15	11.5	Bare Copper	Single Braiding	1.30	15.0

SYV-75 Series Solid PE Insulation RF Coaxial Cable

SYV-75 Series of Polyethylene Insulation RF Coaxial Cable is produced according to the standard of GB/T14864-2013. The cable is widely used for analog signal and high speed digital signal transmission.

The cable is featured as stable impedance, low loss, low delay, minimum attenuation. It is mainly used in video surveillance system, public antenna, closed circuit TV monitoring system, radio communication, transmission system and one-way system control or high frequency machine internal wiring.

Product Structure(mm)



Item No.	Inner Conductor		Insulation O.D.	Outer Conductor		Jacket	
	Material	Roots×O.D.		Material	Braiding	Thickness	O.D.
SYV-75-3-41	Bare Copper	7×0.17	3.00	Bare Copper	Single Braiding	0.66	5.0
SYV-75-4-1	Bare Copper	7×0.41	3.70	Bare Copper	Single Braiding	0.80	6.0
SYV-75-4-4	Bare Copper	1×0.59	3.70	Bare Copper	Single Braiding	0.80	6.0
SYV-75-5-41	Bare Copper	1×0.75	4.80	Bare Copper	Single Braiding	0.88	7.2
SYV-75-5-42	Bare Copper	1×0.75	4.80	Bare Copper	Double Braiding	0.92	7.9
SYV-75-7-2	Bare Copper	7×0.40	7.25	Bare Copper	Single Braiding	1.05	10.3
SYV-75-7-8	Bare Copper	1×1.15	7.25	Bare Copper	Double Braiding	1.05	10.3
SYV-75-7-41	Bare Copper	7×0.40	7.25	Bare Copper	Single Braiding	1.10	11.0
SYV-75-9-41	Bare Copper	1×1.37	9.00	Bare Copper	Double Braiding	1.18	12.2
SYV-75-12-41	Bare Copper	7×0.63	11.5	Bare Copper	Single Braiding	1.30	15.0

Multi-Core SYV-75 Series Solid PE Insulation RF Coaxial Cable

Multi-Core SYV-75 Series of Polyethylene Insulation RF Coaxial Cable is produced according to the standard of GB/T14864-2013. The cable is widely used for analog signal and high speed digital signal transmission.

The cable is featured as stable impedance, low loss, low delay, minimum attenuation. It is mainly used in video surveillance system, public antenna, closed circuit TV monitoring system, radio communication, transmission system and one-way system control or high frequency machine internal wiring.



Product Structure(mm)

Item No.	Inner Conductor		Insulation O.D.	Outer Conductor		Jacket	
	Material	Roots×O.D.		Material	Shielding	O.D.	O.D.
SYV-75-1.5-1*8	Bare Copper	1×0.26	1.52	Bare Copper	Single Braiding	2.60	9.8
SYV-75-1.5-1*16	Bare Copper	1×0.26	1.52	Bare Copper	Single Braiding	2.60	14.0
SYV-75-1.5-2*8	Bare Copper	1×0.26	1.52	Bare Copper	Double Braiding	3.00	11.6
SYV-75-1.5-2*16	Bare Copper	1×0.26	1.52	Bare Copper	Double Braiding	3.00	15.8
SYV-75-2-1*8	Bare Copper	1×0.34	2.00	Bare Copper	Single Braiding	3.30	12.5
SYV-75-2-1*16	Bare Copper	1×0.34	2.00	Bare Copper	Single Braiding	3.30	17.5
SYV-75-2-2*8	Bare Copper	1×0.34	2.00	Bare Copper	Double Braiding	3.80	14.5
SYV-75-2-2*16	Bare Copper	1×0.34	2.00	Bare Copper	Double Braiding	3.80	19.8

RG Series Solid PE Insulation RF Coaxial Cable

RG Series Solid PE Insulation RF Coaxial Cable is produced according to the US standard of Mil-c-17. The cable is widely used for analog signal and high speed digital signal transmission.

The cable is featured as stable impedance, low loss, low delay, minimum attenuation. And widely used in GPS, broadband antenna, indoor antenna, radio communication and electronic device.

Product Structure(mm)



Item No.	Inner Conductor		Insulation O.D.	Outer Conductor		Jacket	
	Material	Roots×O.D.		Material	Shielding	Thickness	O.D.
RG-6A/U	Bare Copper	1×0.75	4.80	Bare Copper	Double Braiding	1.30	8.40
RG-8/U;RG-8A/U	Bare Copper	7×0.724	7.24	Bare Copper	Single Braiding	1.05	10.30
RG-11/U;RG-11A/U	Bare Copper	7×0.404	7.11	Bare Copper	Single Braiding	1.05	10.30
RG-58/U	Bare Copper	1×0.90	2.95	Bare Copper	Single Braiding	0.8	5.00
RG-58A/U;RG-58C/U	TC	19×0.18	2.95	Tinned Copper	Single Braiding	0.8	5.00
RG-59/U;RG-59A/U	CCS; BC	1×0.64	3.71	Bare Copper	Single Braiding	0.8	6.15
RG-59B/U	CCS; BC	1×0.58	3.71	Bare Copper	Single Braiding	0.8	6.15
RG-174/U	TC;BC	1×0.45	1.52	TC;BC	Single Braiding	0.5	2.80
RG-212/U	Silver Copper	1×1.41	4.70	Silver Copper	Double Braiding	1.25	8.40
RG-213/U	Bare Copper	7×0.75	7.24	Bare Copper	Single	1.05	10.30
RG-214/U	Silver Copper	7×0.75	7.24	Silver Copper	Double Braiding	1.05	10.80
RG-216/U	Tinned Copper	7×0.40	7.24	Bare Copper	Double	1.05	10.80
RG-223/U	Silver Copper	1×0.90	2.95	Silver Copper	Double	0.65	5.30

LSR Series Low Loss RF Coaxial Cable

LSR Series Low Loss RF Coaxial Cable is produced according to the standard of Times Wave .The insulation is foam PE, the weight is lighter than similar size solid PE insulation cable. It is also featured with low loss, low delay, super flexible , high frequency, good wear resistance and best attenuation.

LSR Series cable is mainly used in mobile communications, radar antenna system base station mobile communication, radio communication, and ground station antenna, and etc.

Product Structure(mm)



Structure	LSR-100A	LSR-195	LSR-200	LSR-240	LSR-300	LSR-400
Inner Conductor	0.46	0.94	1.12	1.42	1.78	2.74
Insulation	1.52	2.80	2.95	3.81	4.83	7.24
Outer Conductor	2.11	3.53	3.66	4.52	5.72	8.13
Jacket	2.79	4.95	4.95	6.10	7.62	10.29

Electric Properties

Type		LSR-100A	LSR-195	LSR-200	LSR-240	LSR-300	LSR-400
Resistance Ω/km	Inner Conductor	266	24.94	17.59	10.05	6.96	3.07
	Outer Conductor	31.2	16.08	16.08	12.76	7.25	5.41
Insulation Resistance	MΩ.km	5000	5000	5000	5000	5000	5000
Dielectric Resistance(KV)		1.6	1.6	1.6	1.6	1.6	1.6
Rate %		66	80	83	85	86	87
Impedance Ω		0.6	2.5	2.5	5.6	10	16
VSWR (0~2500MHz)		50±2	50±2	50±2	50±2	50±2	50±2
Withstand Voltage V(DC)		≤1.2	≤1.2	≤1.2	≤1.2	≤1.2	≤1.2
Capacitance(pF/m)		500	1000	1000	1500	2000	2500
Insulation Resistance	MΩ.km	101.1	79.7	80.4	79.4	79.1	78.4

D-FB Series Low Loss RF Coaxial Cable

D-FB Series Low Loss RF Coaxial Cable is produced according to the standard of Japan Kansai Communication, The insulation is foam PE, the weight is lighter than similar size solid PE insulation cable. It is also featured with low loss, low delay, and best attenuation.

D-FB Series cable is mainly used for mobile communication, radio communication, and ground station antenna, and etc.

Product Structure(mm)



	3D-FB	4D-FB	5D-FB	7D-FB	8D-FB	9D-FB	10D-FB
Inner Conductor	1.02	1.42	1.80	2.60	2.80	3.20	3.50
Insulation	2.95	3.80	5.00	7.30	7.80	9.00	10.00
Outer Conductor	3.65	4.50	5.70	8.30	8.80	10.00	11.00
Jacket	5.00	6.10	7.50	10.20	11.10	12.20	13.00

Electric Properties(mm)

Type		3D-FB	4D-FB	5D-FB	7D-FB	8D-FB	9D-FB	10D-FB
Resistance Ω/km	Inner Conductor	22.0	10.50	6.91	3.31	2.86	2.18	1.82
	Outer Conductor	13.50	12.76	10.50	11.10	8.25	7.50	5.30
Insulation Resistance	MΩ.km	5000	5000	5000	5000	5000	5000	5000
Dielectric Resistance(KV)		1.6	1.6	1.6	1.6	1.6	1.6	1.6
Rate %		81	81	82	82	82	82	82
Impedance Ω		50±2	50±2	50±2	50±2	50±2	50±2	50±2
VSWR (0~2500MHz)		≤1.2	≤1.2	≤1.2	≤1.2	≤1.2	≤1.2	≤1.2
Withstand Voltage V(DC)		1000	1000	2000	2500	2500	2500	3000
Capacitance(pF/m)		81±2	81±2	81±2	81±2	81±2	81±2	81±2

RG Series 75 Ω Foam PE Insulation RF Coaxial Cable

RG Series Foam PE Insulation RF Coaxial Cable is produced according to the US standard of Mil-c-17. The cable is widely used for analog signal and high speed digital signal transmission.

The cable is featured as stable impedance, low loss, low delay, minimum attenuation. And widely used in video surveillance system, public antenna, closed circuit TV monitoring system, radio communication, transmission system.

Product Structure(mm)



Item No.	Inner Conductor		Insulation O.D.	Shielding		Jacket	
	Material	Roots×O.D.		Layer	O.D.	Thickness	O.D.
RG59 (2P)	BC/CCS	1×0.81	3.66±0.20	Al Foil+Braiding	4.36	0.87	6.10±0.20
RG59 (3P)	BC/CCS	1×0.81	3.66±0.20	Al Foil+Braiding+Al Foil	4.56	0.82	6.20±0.20
RG59 (4P)	BC/CCS	1×0.81	3.66±0.20	Al Foil+Braiding+Al Foil+Braiding	5.06	0.84	6.73±0.20
RG6 (2P)	BC/CCS	1×1.02	4.57±0.20	Al Foil+Braiding	5.27	0.83	6.93±0.20
RG6 (3P)	BC/CCS	1×1.02	4.57±0.20	Al Foil+Braiding+Al Foil	5.47	0.79	7.06±0.20
RG6 (4P)	BC/CCS	1×1.02	4.57±0.20	Al Foil+Braiding+Al Foil+Braiding	5.97	0.78	7.54±0.20
RG7 (2P)	BC/CCS	1×1.30	5.72±0.25	Al Foil+Braiding	6.42	0.84	8.10±0.20
RG7 (3P)	BC/CCS	1×1.30	5.72±0.25	Al Foil+Braiding+Al Foil	6.62	0.79	8.20±0.20
RG7 (4P)	BC/CCS	1×1.30	5.72±0.25	Al Foil+Braiding+Al Foil+Braiding	7.12	0.76	8.64±0.20
RG11 (2P)	BC/CCS	1×1.63	7.11±0.25	Al Foil+Braiding	7.81	1.17	10.16±0.25
RG11 (3P)	BC/CCS	1×1.63	7.11±0.25	Al Foil+Braiding+Al Foil	8.01	1.07	10.16±0.25
RG11 (4P)	BC/CCS	1×1.63	7.11±0.25	Al Foil+Braiding+Al Foil+Braiding	8.51	0.92	10.34±0.25

RG Series Solid PTFE insulation RF Coaxial Cable

RG series solid PTFE insulation RF coaxial cable is produced according to the US standard of Mil-c-17.

This type of cable is widely accepted at high frequencies. Because it is constructed with a silver plated outer conductor this prevents oxidation of the conductor which decreases loss vs time and it is designed to work in high temperature environment. The impedance is 50 Ohm, The return loss performance is better than PE insulated coaxial cable.

Product Structure(mm)



Item No.	Inner Conductor		Insulation	Outer Conductor		Jacket	
	Roots×O.D.	O.D.		Material	Shielding	Thickness	O.D.
RG-178/U	7×0.10	0.30	0.84±0.07	Silver Copper	Single Braiding	0.2	1.80±0.15
RG-179/U	7×0.10	0.30	1.50±0.18	Silver Copper	Single Braiding	0.2	2.53±0.15
RG-180/U	7×0.10	0.30	2.59±0.18	Silver Copper	Single Braiding	0.2	3.58±0.15
RG-316/U	7×0.17	0.54	1.50±0.18	Silver Copper	Double Braiding	0.2	2.50±0.15
RG-302/U	1×0.65	0.64	3.70±0.18	Silver Copper	Double Braiding	0.3	5.13±0.15
RG-303/U	1×0.93	0.93	3.00±0.18	Silver Copper	Single Braiding	0.2	4.30±0.15
RG-304/U	1×1.49	1.49	4.70±0.18	Silver Copper	Double Braiding	0.3	7.01±0.15
RG-393/U	7×0.80	2.38	7.24±0.20	Silver Copper	Double Braiding	0.35	9.91±0.20
RG-400/U	19×0.20	1.00	3.00±0.18	Silver Copper	Double Braiding	0.3	4.93±0.15
RG-404/U	7×0.10	0.30	0.91±0.07	Silver Copper	Single Braiding	0.2	1.85±0.15

Solid PTFE Insulation Semi-Flexible Coaxial Cable

Product Description:

Conductor: Silver Copper

Insulation: PTFE

Shielding: Silver Copper Braiding&Tinned Immersion

Jacket: FEP

This type of cable is widely accepted as handy form coaxial cable, because it is super flexible. With a silver plated outer conductor and teflon fluoroplastics insulation and jacket, it is designed to work in high temperature environment. The impedance is 50 Ohm, The return loss performance is better than PE insulated coaxial cable.

Product Structure(mm)



Item No.	Inner Conductor		Insulation	Outer Conductor		Jacket	
	Material	Roots×O.D		Material	Tin Immersion Diameter	FEP	LSOH.
LX50-086	Silver Copper	1×0.52	1.68	Tinned Copper	2.15	2.65	2.65
LX50-141	Silver Copper	1×0.92	3.00	Tinned Copper	3.52	4.15	4.5
LX50-250	Silver Copper	1×1.63	5.30	Tinned Copper	6.20	7.00	7.20
LX75-086	Silver Copper	1×0.30	1.68	Tinned Copper	2.15	2.65	2.80
LX75-141	Silver Copper	1×0.52	2.98	Tinned Copper	3.52	4.15	4.50
LX75-250	Silver Copper	1×*0.91	5.44	Tinned Copper	6.20	7.00	7.20
LX35-141	Silver Copper	1×1.29	2.98	Tinned Copper	3.52	4.15	4.50
LX35-250	Silver Copper	1×2.3	5.31	Tinned Copper	6.20	7.00	7.20
LX25-086	Silver Copper	1×0.92	1.68	Tinned Copper	2.15	2.65	2.80
LX25-141	Silver Copper	1×1.63	2.98	Tinned Copper	3.52	4.15	4.50






COAXIAL CABLE ASSEMBLIES

Elesun cable provide customized service to cut and strip the cable as well as produce coaxial cable assembly, connector type covers DIN, 7/16,N,SMA,UHF(IPX), to meet different requirements of the customer.

Type	Composite Content	Photo for Reference
1	DIN-RG402 Lower intermodulation antenna jump wire	
2	N-RG401 Built-in jumper wire	
3	RG401 Lower intermodulation test cable	
4	SMA-N3D-FB Built-in jumper wire	
5	N-RG58 Antenna jump wire	

CUSTOMIZED COMPOSITE CABLE

Composite cable is usually made up with elevator cable, video cable, power supply cable, network cable, and instrumentation cable. It is popular in access control systems for residential building, office building, as well as factory and power plant.

Type	Composite Content	Photo for Reference
1	2C*0.75mm ² +CAT5e+2C*RS485 Tinned Copper Braiding Shielding	
2	RG6+3C*0.75mm ² +2C*Coaxial cable, LSOH jacket	
3	Optical+2C*1.5mm ² LSOH inner Jacket TPE Jacket	
4	RG6+3C*RG174+1C+0.75mm ² Al Foil Shielding, PVC Jacket	
5	Optical+2C*LSOH inner jacket+coaxial cable Bare copper braiding shielding+TPU Jacket	

Jiangsu Elesun Cable Co., Ltd. introduce the latest push line, wrapping, braider, wicking, extruding, machine.

Imported push is specialized in the production of cable core. Equipped with advanced monitoring and control system, accurate control core diameter and the capacitance tolerance values, effectively guarantee the concentricity of conductor.

The test instruments for manufacturing are Network analyzer, The third order intermodulation instrument. These are sure to control of accurate.

Modern Production Equipment



High Specification Testequipment

