

LS Micro Coaxial Cable

Advanced flexibility and higher performance for internal circuits



Leading Solution

LG Cable, LG Industrial Systems and LG-Nikko Copper,
Gaon Cable, E1 and Kukdong City Gas are starting with
a new name, Leading Solution, LS.

New Dream, New Start

To become a leader in the competitive global market, LG has been divided into three groups, electronics and chemicals for LG, energy and distribution for GS, Industrial electric · electronics and material for LS based on their business specialties.

LS' main companies, such as LS cable, LS industrial systems, LS-Nikko copper, Gaon cable, E1 and Kukdong City gas, are ranked as No.1 in their respective industry. However, LS won't just sit back, satisfied with being the best in Korea. We will pave the way for becoming the world's best in Industrial electric · electronics and material industry with the new CI, LS.

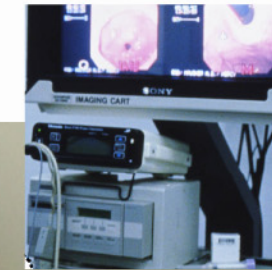
Your good partner LG Cable is making a fresh start as LS Cable

LS Cable is No. 1 cable maker in Korea and its business fields are telecommunication, electric power, components & materials and machinery. Also, LS Cable is creating new businesses particularly in component and materials industry. LS Cable makes its best to accomplish the vision, "Your No.1 Creative Partner" and be one of the world leaders with high technology and best level of service.



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To address the ever-changing demands in everyday life as well as in the industry, LS Cable never stops researching, designing, developing, and manufacturing products with the higher level of quality.

Our commitment to develop and deliver solutions to address our customers' needs and challenges keep our technology on the cutting edge and our know-how in the field more valuable, which our clients highly appreciate.





**Now your mobile phone not only can fold,
it can pivot or tilt with higher functions.**

Find out what LS Micro Coaxial Cable can do to your mobile terminal.



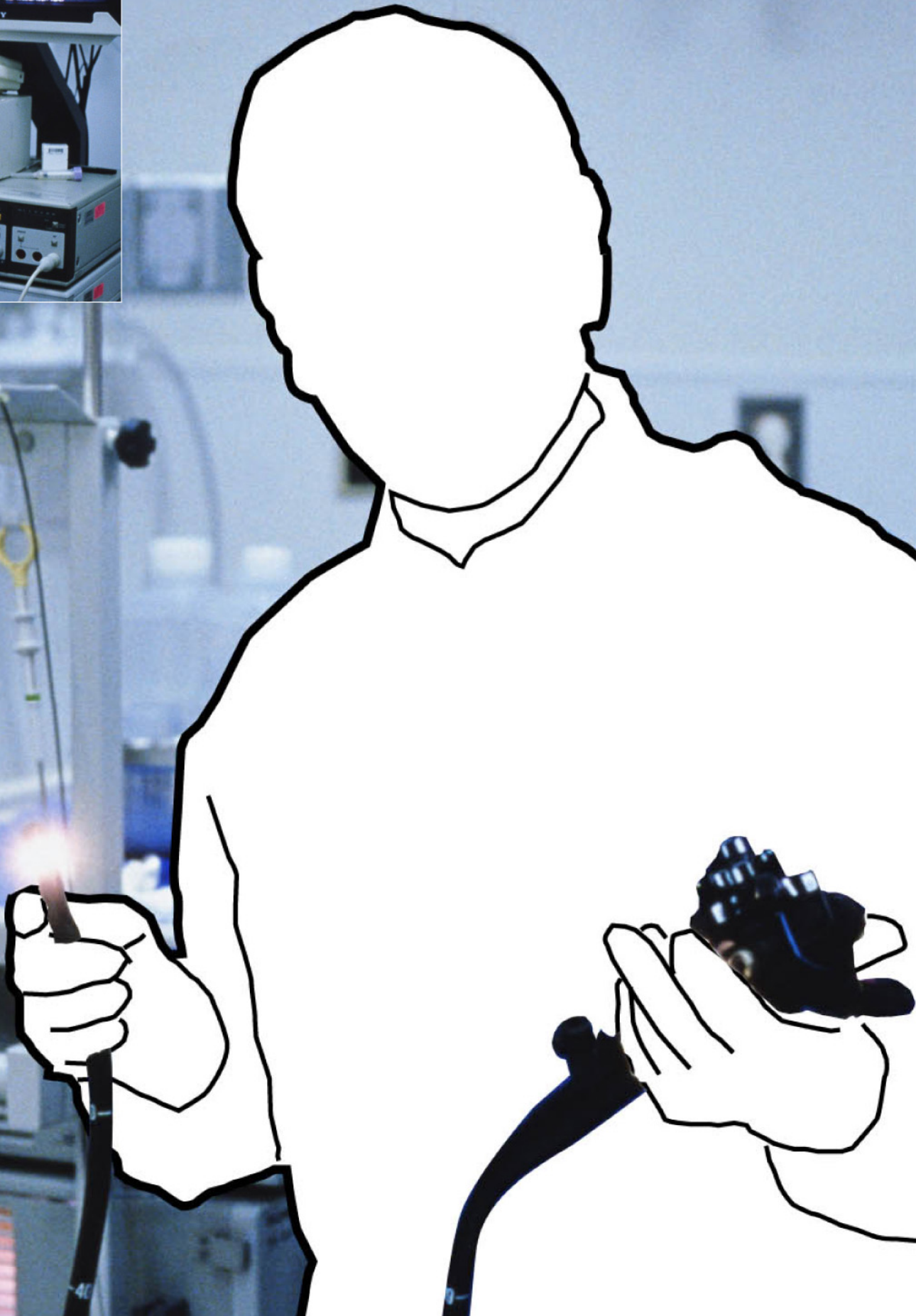
**Now your notebook PC can be as flexible as
you wish with higher performance.**

Find out what LS Micro Coaxial Cable can do to your mobile terminal.



Now your medical probing instrument can be less sickening with higher performance.

Find out what LS Micro Coaxial Cable can do to your mobile terminal.



Driven by more demanding users, mobile terminals and medical instruments evolve more rapidly than ever. LS Micro Coaxial Cable assemblies are suitable for interconnection of mobile terminals from cell phones to notebook PCs and other compact, lightweight instruments used in precision and medical fields from catheters to transesophageal probes, to gastroscopes and offer more advanced features:

In performance

- Electrical and mechanical consistency
- Low insertion loss
- For high-quality and high precision images in high speed transmission

In reliability

- High resistance to noise
- High resistance to heat
- Excellent immunity to EMI
- For high reliability and stability of data transmission

In user-friendliness

- High-density packaging
- High durability (resistance to bending and twisting)
- Highly bendable
- To minimize the space occupied by the assemblies and to maximize the flexibility of moving parts

Construction / Properties		Unit	40AWG	42AWG	44AWG	46AWG
Inner Conductor	Material	-	Tin plated copper alloy	Silver plated copper alloy		
	Composition	No./mm	7/0.030	7/0.025	7/0.020	7/0.016
Insulation	Material	-	PFA			
	Dia. of wire	mm	0.24	0.18	0.16	0.12
Shield	Material	-	Tin plated copper alloy			
	Composition	mm	Spiral shield of 0.03			
Jacket	Material	-	PET	PFA		
	Dia. of wire	mm	0.35	0.31	0.26	0.21
Capacitance (at 1kHz)		Q /km	5,000	7,300	11,500	17,000
Conductor Resistance (at 20°C)		Q	50±5	45±5		
Characteristic Impedance (at TDR)		pF/m	115±10			
Attenuation (at 10MHz)		dB/m	0.8			

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