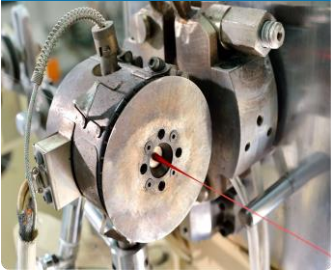

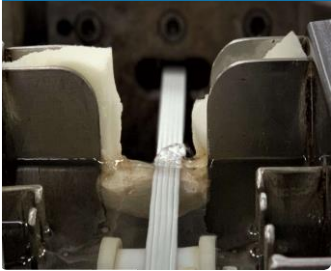
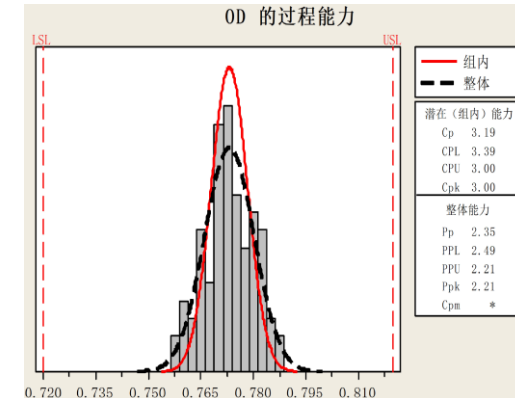
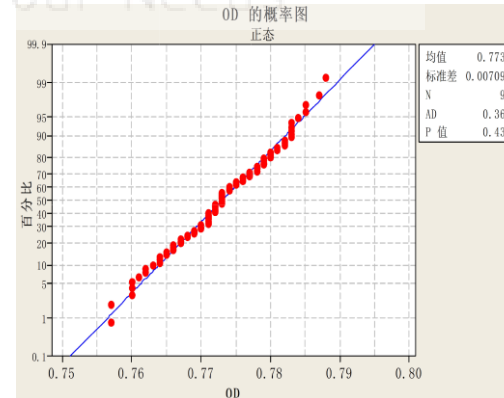
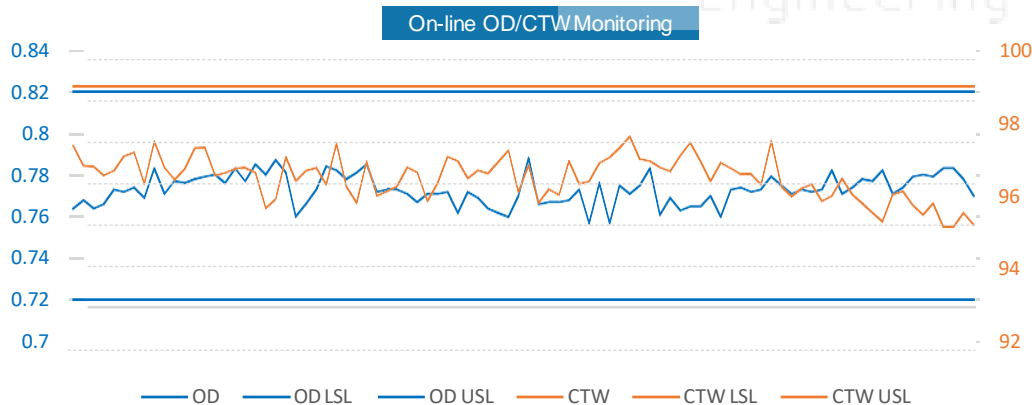


2 CAPABILITY — Equipment & Capacity

Primary Extruder	Spiral Machine	Taper	Cabler	Braider	Jacket Extruder
 <ul style="list-style-type: none"> • 6 extruders including 2 FEP • On-line OD/CTW monitoring • CPK report of OD/CTW • Imported Crosshead 	 <ul style="list-style-type: none"> • 36 spiral machines • Imported equipment • Stable payoff and take up tension • Uniform surface 	 <ul style="list-style-type: none"> • 19 tapers • Imported equipment • Stable tape tension from fool pad to empty pad 	 <ul style="list-style-type: none"> • 10 cablers • Planetary/Rigid bay cabling • Stable payoff tension from full reel to empty 	 <ul style="list-style-type: none"> • 17 Braiders • Even payoff tension for each individual strand • Loose braiding available 	 <ul style="list-style-type: none"> • 5 extruders including 2 silicone • Imported crosshead
125	150	125	166	360	650
132C B-Ultrasonic Cable Capacity (KM/YEAR)					

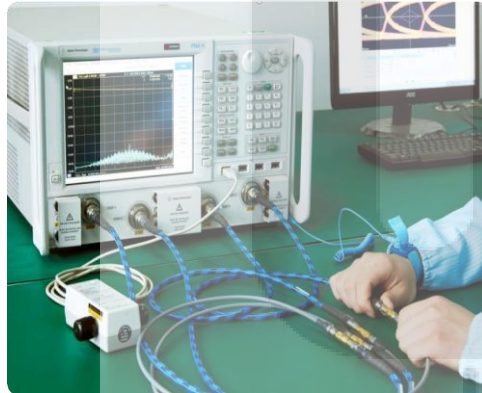


Category	Material	Comments
Conductor	Silver-plated copper steel, silver-plated steel wire, bare copper, tinned copper, silver-plated copper, tinned alloy wire, silver-plated alloy wire, bare copper alloy wire, tinsel wire, silver-plated tinsel wire, carbon fiber	46AWG min. size Non-metal
Insulation	PVC, PP, PE, TPE, TPR, FEP, ETFE, PFA, HYTREL, Foam PTFE, ePTFE tape	0.04mm min. wall thickness 0.11 mm min. OD
Shield	Silver-plated or tin-plated copper tape, copper, silver-plated copper & copper alloy, PTFE, aluminum foil, copper foil, tinsel	Multi-layer shielding available Wrapping and braiding
Filler	Kevlar, nylon, glass fiber and strings, cotton, tube	
Tape	PET, PTFE, aluminum foil, paper tape	
Jacket	PVC, TPU, TPR, TPE, PFA, FEP, Silicone	ISO 10993 Biological compatibility standard

Sterilization Method	Sterilant	Materials Options
ETO	Ethylene Oxide Gas	PVC, TPU, TPR & SILICONE
Steris System 1	Peracetic Acid in Aqueous Solution	PVC, TPU, TPR & SILICONE
Autoclave	Steam	SILICONE and some TPR
STERRAD 100S	Hydrogen Peroxide & Plasma	PVC, TPU, TPR & SILICONE
STERRAD		Harsher on TPU & PVC than STERRAD 100S
STERRAD 100NX		
TSO3	Ozone	Limited silicone compatibility



Testing in-house



Intradermal induction phase I :

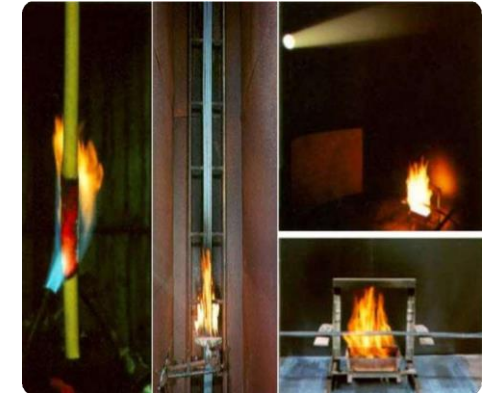
Aseptic Sampling		Aseptic Agitation Extraction In Inert Container				Final Extract	
Sampling Manner	Actually sampling	Ratio	SC	Condition	pH	Clear or Not	
Random	2.0g	0.2g:1ml	10.0ml	70°C24h	6.0	Clear	

Topical induction phase II :

Aseptic Sampling		Aseptic Agitation Extraction In Inert Container				Final Extract	
Sampling Manner	Actually sampling	Ratio	SC	Condition	pH	Clear or Not	
Random	2.3g	0.2g:1ml	11.5ml	70°C24h	6.0	Clear	

Challenge phase:

Aseptic Sampling		Aseptic Agitation Extraction In Inert Container				Final Extract	
Sampling Manner	Actually sampling	Ratio	SC	Condition	pH	Clear or Not	
Random	2.7g	0.2g:1ml	13.5ml	70°C24h	6.0	Clear	

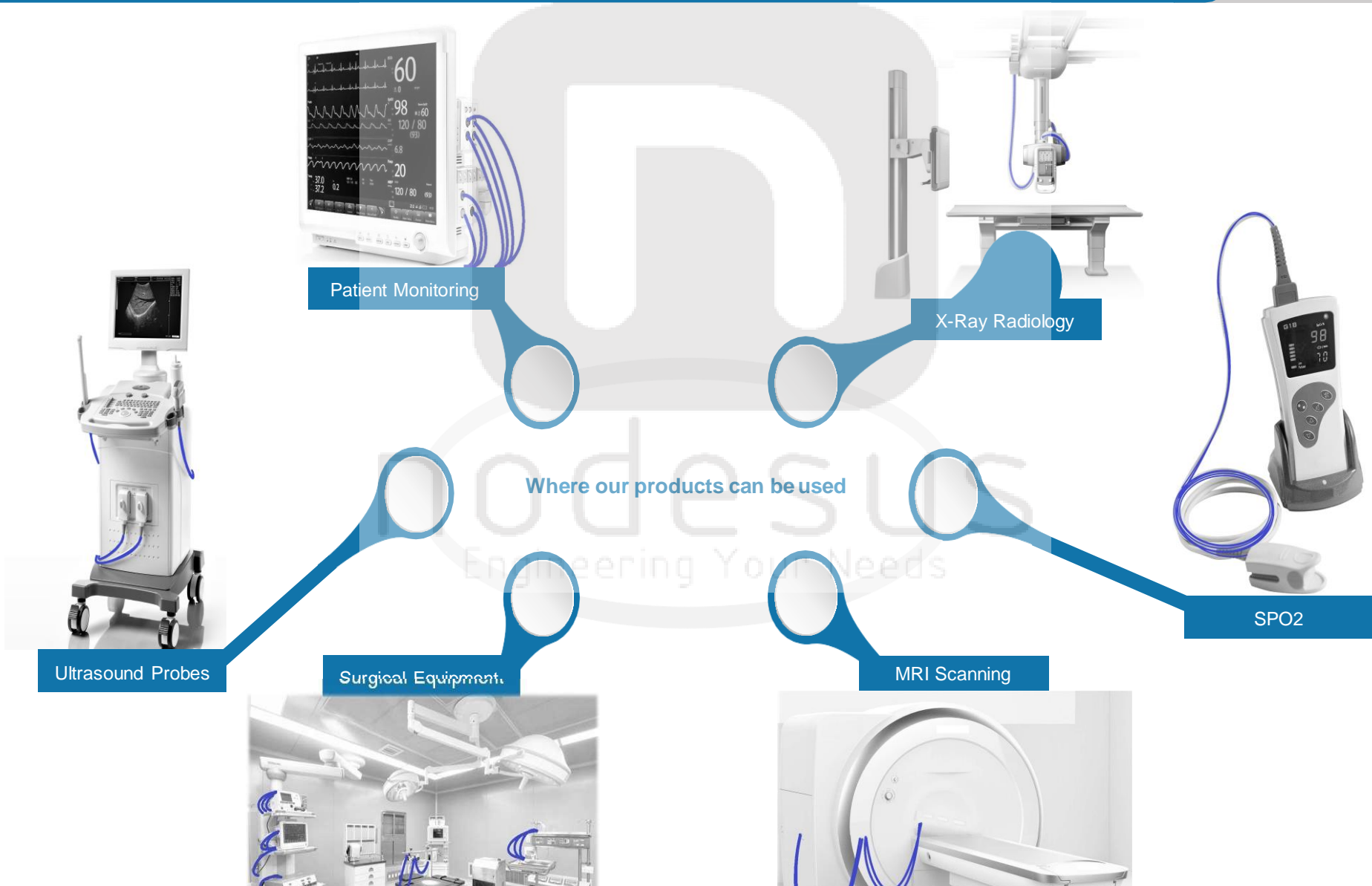


Testing outside

- Low-noise test
- TDR & VNA test
- Other general mechanical tests

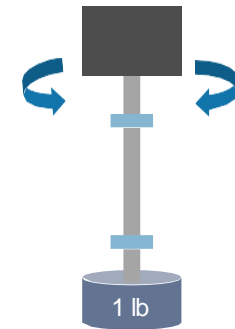
- ISO 10993 biological compatibility standard
- Microbial test
- Flame retardance test

APPLICATIONS — Product Family Overview





- 32AWG - 48AWG
- Min wall thickness - 0.04mm
- 50 – 110pf, 85 - 50 Ω
- Max coax quantity - 340
- Torsional flex test - > 250K times
- Various combinations - electronic wire, USB, etc.

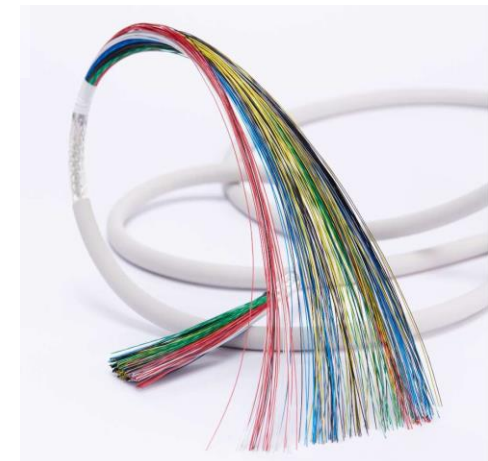
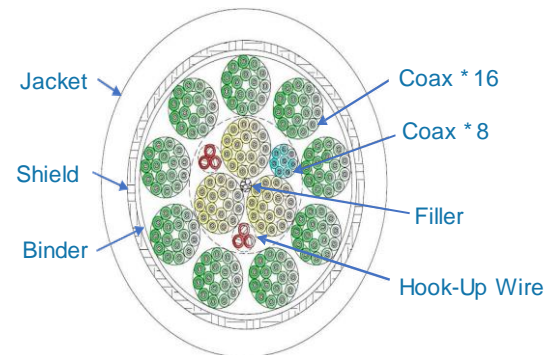
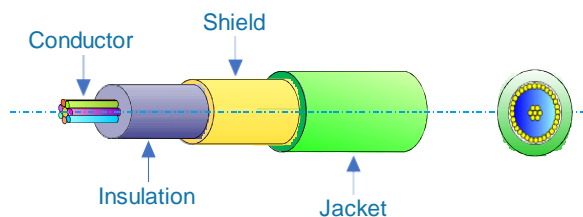


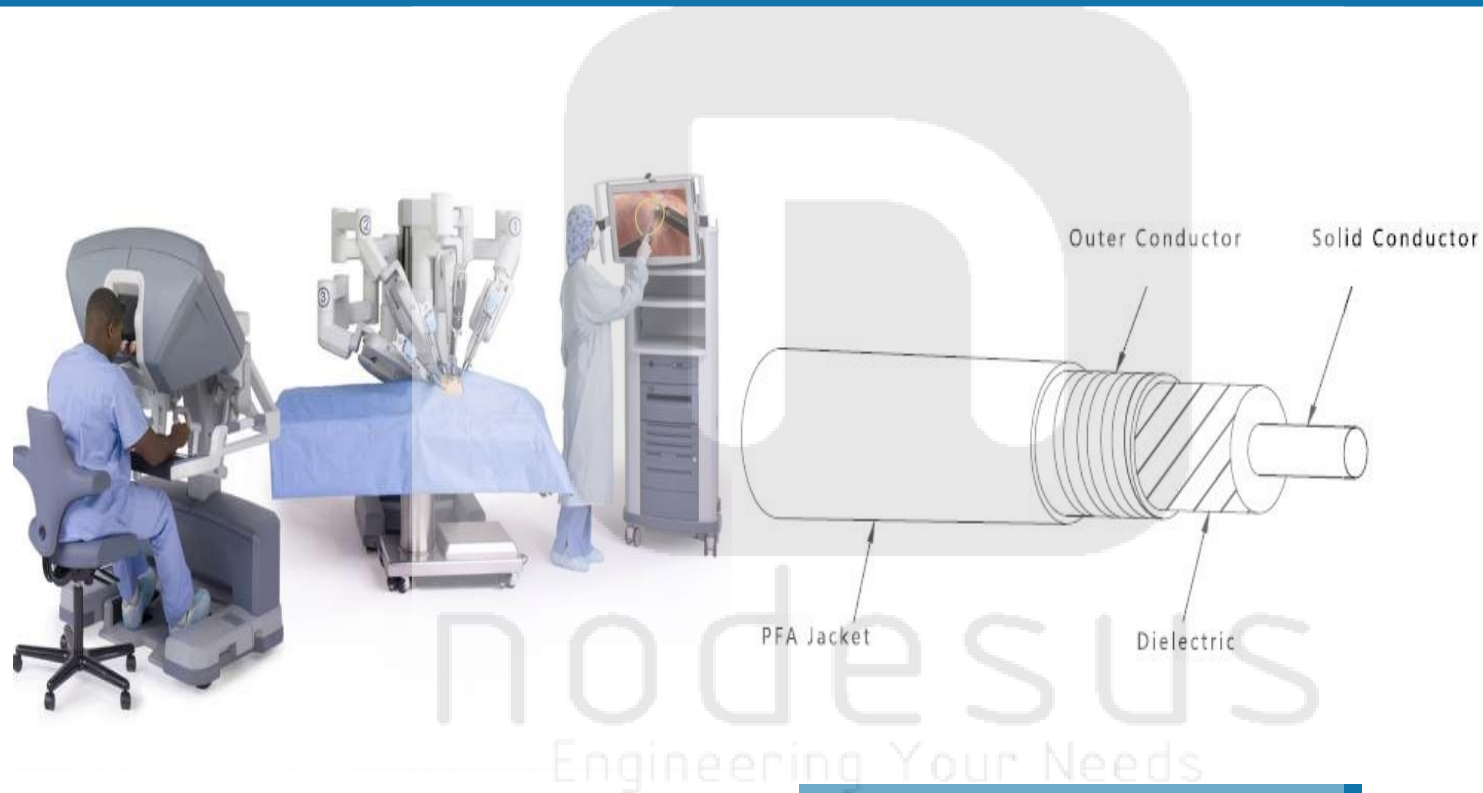
Torsional Test

- Weight: 1 lb
- Twisting Angle : ± 180 degrees
- Marking length : 500mm
- Twisting Speed : 30 times/min

Single Wire Solutions											
Inner conductor			Insulation		Outer conductor		Jacket		Cap. at 1KHz pF/m	Impedance at 10MHz Ω	Max. conductor resistance at 20°C
AWG Size	Stranding #/mm	Material	Material	Dia. mm	Material	Stranding mm	Material	Dia. mm			
40	7/0.03	TCA	PFA	0.23	TCA	0.03	PET	0.33	110	50	5000
	7/0.03	TCA	ePTFE	0.35	TCA	0.03	PET	0.42	50	85	5000
42	7/0.025	SPCA	PFA	0.19	TCA	0.03	PET	0.31	110	50	7500
	1/0.063	SPCA	ePTFE	0.28	TCA	0.03	PET	0.35	50	85	7500
	7/0.025	SPCA	ePTFE	0.35	TCA	0.03	PET	0.39	50	85	7500
44	7/0.020	SPCA	PFA	0.15	TCA	0.025	PET	0.23	110	50	9500
	7/0.020	SPCA	ePTFE	0.25	TCA	0.025	PET	0.33	50	85	9500
46	7/0.016	SPCA	PFA	0.11	TCA	0.025	PET	0.20	110	50	17500
48	7/0.012	SPCA	PFA	0.085	SPCA	0.020	PFA	0.18	110	50	23000

Engineering Your Needs





RF cable

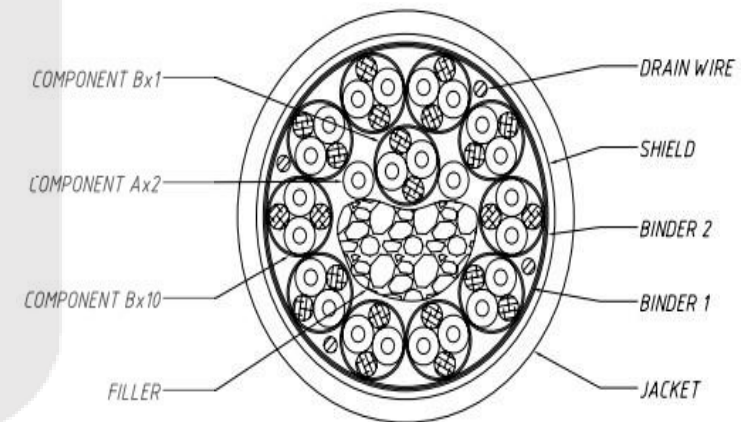
- Cable for minimally invasive or invasive surgery
- Temperature: -55°C ~ 200°C
- 4K HD display signaling, remote surgery
- Mechanical flex life > 200K+ bending cycles
- Bioburden <100 cfu/ml and endotoxin <50 EU/ml

3 APPLICATIONS — Endoscope & Camera



Minimal Invasive Surgery

- Applied in the connection of the endoscopes with mini-invasive surgical equipment such as gastrointestinal mirrors and monitoring devices.
- 1Gbps transmission speed
- Silicone jacket: pass 135C° steam disinfection test, coating -- non-stick
- Flexibility: Multilayer PTFE tapes / special tubular extrusion process



CamBlink Cable

- Camera Link is a communication interface for vision applications.
- Technology Benefits – a. Smaller Connectors and Cables
b. High Data Transmission Rates
- Critical reliability test – a. 10 million cycles of Rolling Flex Test
b. 1 million cycles of Torsion Flex Test
c. Signal integrity to be maintained as before

3 APPLICATIONS — Medical Imaging Equipment



MRI / CT



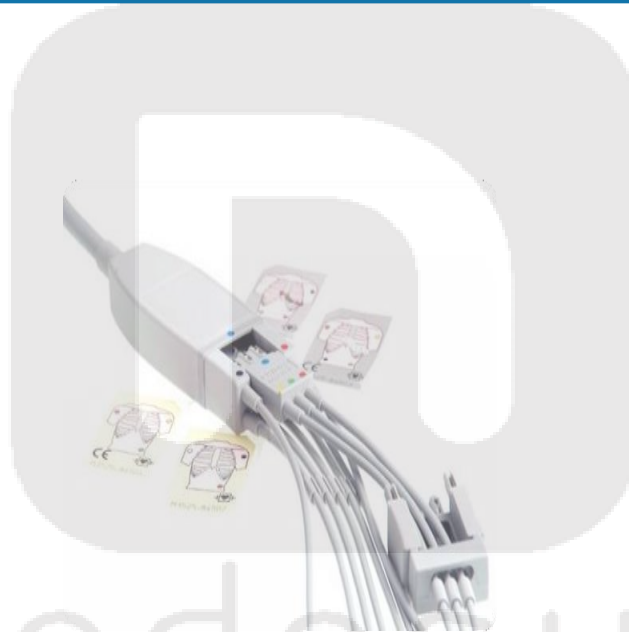
X-RAY

- High frequency transmission, Low attenuation
- Antimagnetic - Non magnetic material
- Good flexibility and mechanical life - >50,000 times bending test
- Anti EMI/RFI



Monitoring Equipment

- Biological compatibility
- Noise control and surface treatment
- Good sterilizing treatment-proof performance and anti-interference ability
- PVC, TPR, TPU, SILICONE jacket available
- Optimized dimensions and flexibility



ECG / EKG

- Low Noise requirement, $<50\mu V$, (ANSI/AAMI EC53)



SPO2

- Disposable and reusable
- Bending test: $> 10,000$ times of Reusable cable
- High flexibility;