

STAINLESS STEEL & NICKEL ALLOYS INTEGRATED TUBE & ENCAPSULATION

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PHILOSOPHY

We pledge to give the highest quality products through the development of a new technology.

DONGNAMKOREA has fulfilled all of our responsibilities as a business partner since our inception in 2000, providing our customers with the best solutions possible. We can provide a wide selection of seamless and welded tubes, as well as encapsulated tubes, while participating in the precision tubing sector for over 20 years. With a strong dedication to continuous technology development, we weren't only able to achieve Norsok M-650 certification and works/type approvals from numerous classification societies belonging to IACS, but also designated as a manufacturer of World-Class Product of Korea since 2010.

President & CEO **Tae Sik Tak**

ESG

DONGNAMKOREA achieves quality goals by continually improving, taking pride in leading quality, safety, and environmental management in local and global precision tube sectors.



ENVIRONMENTAL

DNK aims to minimize resource waste for environmental sustainability.



SOCIAL

Through rigorous management and training, we prioritize the safety and health of our workers.



GOVERNANCE

We strive to maintain transparent and ethical governance.

HISTORY

- 2024's** • Relocated to another factory site in order to install cutting-edge production facilities
- 2023's** • Norsok M-650 certified
• Equipped flatpack: downhole tube production line
- 2021's** • ABS PED certified
- 2020's** • ISO45001 upgrade [ABS]
- 2019's** • Acquired LR Work Approval



2014~2018's

- 2018's** • TUV PED 2014/68/EU Certification [European Pressure vessel certification]
• RMRS Factory Approval
• ISO9001/ 14001 upgrade [ABS]
• Acquired DNVGL Approval of Manufacturer
- 2017's** • Built Seamless Tube production line
• Built Smart Factory MES system
• Acquired BV Work Approval
• ABS Manufacturing Assessment
- 2016's** • Acquired KR Approval for manufacturing process
• Changed company name to DongNamKorea Co., Ltd.
- 2015's** • Acquired NK Approval of manufacturing process
• Acquired RINA Approval of manufacturers of materials
- 2014's** • ABS PDA
• ISO 45001 certified [DNV]

2018~2024's

- 2013's** • Company name changed to DPI Co., Ltd.
• Relocated to Mieumsandan industrial complex
- 2012's** • Recognized as a winner of the national small business competition
- Awarded by the prime minister; a model small business
- 2010's** • Achilles JQS certified by GOST in Russia
• Won a prize of five million dollars export
• 17th Corporate Innovation Award
- Gold Prize for Corporate Innovation [Prime Minister's Award]
- Best CEO Award
- 2008's** • ISO 9001/ ISO 14001 Certificate renewal [DNV]
- 2007's** • Awarded the 3 Million Dollar Export Tower
- 2006's** • Won the Grand Prize for Small and Medium Businesses in Busan
• Awarded the 7th Technology Innovation Competition
• Won the Silver Tower Order of Industrial Service Merit

2006~2013's



2000~2005's

- 2005's** • Won the grand prize at the 1st Small and Medium Business Technology Innovation Small Group Competition hosted by the Small and Medium Business Administration
• Certified as an affiliated research institute - Korea Industrial Technology Promotion Association
• ISO 14001 certified [DNV]
• Received the 1 Million Dollar Export Tower
- 2004's** • BV Type Approval of Cable Binding Tape
• CABLE TRAY Classification CSA 20C Certification
- 2003's** • Welding specialization factory approval [DNV, GL]
- 2002's** • Commendation certificate for SME IT Support Project
- 2001's** • ISO 9001 certified [DNV]
• Cable Band & Buckle LR Type Approval
• Received Outstanding Small and Medium Enterprise Commendation Certificate
- 2000's** • Changed company name as of Dongnam Precision Inc. Co., Ltd and converted into corporation [Relocated to Noksan National Industrial Complex]



Product Specification

Standard for Inspection

- A213, A269, A789, B423, B163, B165, etc.

Material

- Austenite stainless steel, nickel alloys, copper/copper alloy, etc.

Length

- Welded tube: Approximately 100~550m
- Seamless tube: Refer to Seamless tube length table
- Orbital tube welding available

Product	Steel Grade	Available Size			Remark
		OD	WT	L	
Coil Tube	Refer to the table as follows	3 to 25.4mm	0.5 to 2.11mm	Coil	Other options available upon your request

COIL TUBE

Available in a variety of high-performance corrosion-resistant stainless steel and high nickel alloys, such as monel, inconel, and hastelloy series, and capable of withstanding a wide range of harsh environmental conditions. We specialize in producing tiny, precise diameter tubing with a variety of wall thicknesses.

Product Applications

- Oil, Gas, Petrochemical, Desalination, Fertilizer & Chemical Industries
 - Control & Instrumentation Industry (C&I)
 - Process & Power Plants
 - Valve Remote Control (VRC) Line System
 - Deck Machinery Remote Control Line System
- Fixed Gas Detection Sensing Line
 - Heat Tracing Line
 - Pressure Sensing Line
 - Sampling & Drain Line
 - Tank Level & Draft Gauging System Line
 - Fire Fighting System Control Line



Material	National Standard			
	Alloy	ASTM	KS	JIS
Duplex	Duplex	S31803	STS329 J2 LTB	SUS329 J2 LTB
	Super Duplex	S32750	-	-
Super Austenitic	6 Mo	S31254	-	-
Hight Alloy Stainless Steel	904L	N08904	STS890L	SUS 890L
Stainless Steel	316L	TP316L	STS316L	SUS316L
	316	TP316	STS316	SUS316
	316L 2.5Mo	TP316L	STS316L	SUS316L
	304L	TP304L	STS304L	SUS304L
	317L	TP317L	STS317L	SUS317L
	321	TP321	STS321	SUS321
	347	TP347	STS347	SUS347
Nickel Alloy	Monel 400	N04400	NW4400	NW4400
	Inconel 600	N06600	NCF600 TB	NCF600 TB
	Inconel 625	N06625	NCF625 TB	NCF625 TB
	Incoloy 825	N08825	NCF825 TB	NCF825 TB
	Hastelloy C22	N06022	NW6022	NW6022
	Hastelloy C276	N0276	NW0276	NW0276
Copper	Copper	C12200	C12200	C12200

Dimension & R/L
(100kg Weighed Basis)

Metric Size		Imperial Size		Length(M) [±10%]
O.D(mm)	W.T(mm)	O.D(inch)	W.T(inch)	
25.4	3.05	1"	0.120	59
	2.77		0.109	64
	2.41		0.095	72
	2.11		0.083	81
	1.65		0.065	102
	1.24		0.049	134
19.05	2.77	3/4"	0.109	89
	2.41		0.095	100
	2.11		0.083	112
	1.65		0.065	140
	1.24		0.049	180
	0.89		0.035	245
15.88	2.11	5/8"	0.083	138
	1.65		0.065	170
	1.24		0.049	220
	0.89		0.035	300
12.7	2.11	1/2"	0.083	180
	1.65		0.065	220
	1.24		0.049	283
	0.89		0.035	380
9.53	2.11	3/8"	0.083	255
	1.65		0.065	305
	1.24		0.049	390
	0.89		0.035	520
6.35	2.11	1/4"	0.083	450
	1.65		0.065	510
	1.24		0.049	630
	0.89		0.035	825

Chemical
Composition

Code	Standards	Chemical composition								
		Steel Grade	C(max)	Si(max)	Mn(max)	P(max)	S(max)	Ni(max)	Cr(max)	Mo(max)
304	ASTM	TP304	0.080	1.00	2.00	0.045	0.030	8.00-11.00	18.00-20.00	-
	JIS	SUS304	0.080	1.00	2.00	0.045	0.030	8.00-11.00	18.00-20.00	-
	DIN	1.4301	0.070	1.00	2.00	0.045	0.030	8.50-10.05	18.00-20.00	-
	AISI	304	0.080	1.00	2.00	0.045	0.030	8.00-10.50	17.00-20.00	-
304L	ASTM	TP304L	0.035	1.00	2.00	0.045	0.030	8.00-12.00	18.00-20.00	-
	JIS	SUS304L	0.030	1.00	2.00	0.045	0.030	9.00-13.00	18.00-20.00	-
	DIN	1.4306	0.030	1.00	2.00	0.045	0.030	10.00-12.50	18.00-20.00	-
	AISI	304L	0.030	1.00	2.00	0.045	0.030	10.00-12.50	18.00-20.00	-
316	ASTM	TP316	0.08	1.00	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00
	JIS	SUS316	0.08	1.00	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00
	DIN	1.4401	0.070	1.00	2.00	0.045	0.030	10.50-13.50	16.50-18.50	2.00-2.50
	AISI	316	0.08	1.00	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00
316L	ASTM	TP316L	0.035	1.00	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00
	JIS	SUS316L	0.030	1.00	2.00	0.040	0.030	12.00-16.00	16.00-18.00	2.00-3.00
	DIN	1.4404	0.030	1.00	2.00	0.045	0.030	11.00-14.00	16.50-18.50	2.00-2.50
	AISI	316L	0.030	1.00	2.00	0.045	0.030	10.00-14.00	16.00-18.00	2.00-3.00

Working
Pressure

Outside Diameter		Wall Thickness		Weight kg/m	Working pressure(bar) Temperature(°C)				
inch	mm	inch	mm		20°C	100°C	200°C	300°C	400°C
1-1/2	38.10	0.098	2.50	2.231	146	146	141	141	124
1	25.40	0.083	2.11	1.232	205	161	135	121	111
1	25.40	0.065	1.65	0.982	153	120	101	90	83
3/4	19.05	0.065	1.65	0.720	209	164	137	123	113
3/4	19.05	0.049	1.24	0.553	146	115	96	86	79
5/8	15.88	0.049	1.24	0.454	178	139	117	105	96
1/2	12.70	0.065	1.65	0.456	327	256	215	192	177
1/2	12.70	0.049	1.24	0.356	226	177	149	133	122
1/2	12.70	0.035	0.89	0.263	146	114	96	86	79
3/8	9.53	0.049	1.24	0.257	310	243			

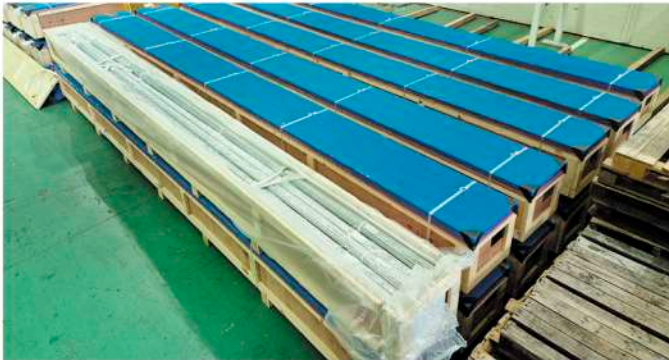


STRAIGHT TUBE

Available in a variety of high-performance corrosion-resistant stainless steel and high nickel alloys, such as monel, inconel, and hastelloy series, and capable of withstanding a wide range of harsh environmental conditions. We specialize in producing tiny, precise diameter tubing with a variety of wall thicknesses.

Product Applications

- Oil, Gas, Petrochemical, Desalination, Fertilizer & Chemical Industries
 - Control & Instrumentation Industry (C&I)
 - Process & Power Plants
 - Valve Remote Control (VRC) Line System
 - Deck Machinery Remote Control Line System
- Fixed Gas Detection Sensing Line
 - Heat Tracing Line
 - Pressure Sensing Line
 - Sampling & Drain Line
 - Tank Level & Draft Gauging System Line
 - Fire Fighting System Control Line



Product Specification

Standard for Inspection

- A213, A269, A789, B423, B163, B165, etc.

Material

- Austenite stainless steel, nickel alloys, copper/copper alloy, etc.

Product	Steel Grade	Available Size			Remark
		Diameter	Thickness	Length	
Straight Tube	Refer to the table as follows	6 to 38.1mm	0.5 to 4.78mm	4~6m	Please consult with us for other size not listed

Material	National Standard			
	Alloy	ASTM	KS	JIS
Duplex	Duplex	S31803	STS329 J2 LTB	SUS329 J2 LTB
	Super Duplex	S32750	-	-
Super Austenitic	6 Mo	S31254	-	-
Hight Alloy Stainless Steel	904L	N08904	STS890L	SUS890L
Stainless Steel	316L	TP316L	STS316L	SUS316L
	316	TP316	STS316	SUS316
	316L 2.5Mo	TP316L	STS316L	SUS316L
	304	TP304	STS304	SUS304
	317L	TP317L	STS317L	SUS317L
	321	TP321	STS321	SUS321
	347	TP347	STS347	SUS347
Nickel Alloy	Monel 400	N04400	NW4400	NW4400
	Inconel 600	N06600	NCF600 TB	NCF600 TB
	Inconel 625	N06625	NCF625 TB	NCF625 TB
	Incoloy 825	N08825	NCF825 TB	NCF825 TB
	Hastelloy C22	N06022	NW6022	NW6022
	Hastelloy C276	N0276	NW0276	NW0276
Copper	Copper	C12200	C12200	C12200



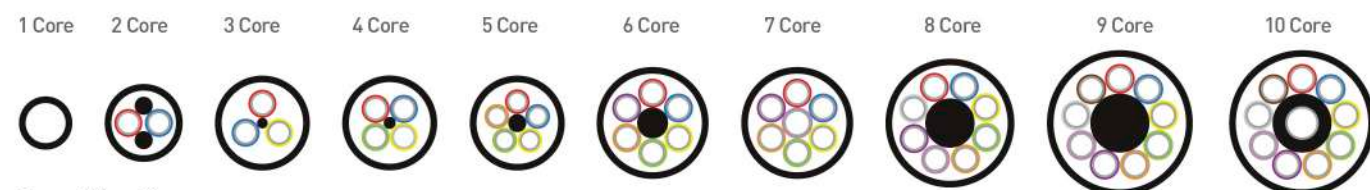
MULTI CORE TUBE

Multi core tube refers to the effective design, maintenance, and administration of numerous tubes used as transportation channels for liquids, gases, electricity, and other materials aboard ships, maritime facilities and structures. It is adjusted to reduce waste. Each tube is clad with polymer and marked every meter along its length for better identification and protection. The extruded outer sheath serves to protect the tubes from physical and chemical harm. **DONGNAMKOREA's** Multi Core Tube is formed of high tensile string, also known as rip-cord, which helps to prevent safety accidents by cutting and saves workers' loads and time.

Product Applications

- Shipbuilding, Oil, Gas, Petrochemical, Desalination, Fertilizer & Chemical Industries
- Control & Instrumentation Industry (C&I)
- Process & Power Plant
- Valve Remote Control Line System
- Deck Machinery Remote Control Line System
- Fixed Gas Detection Sensing Line
- Heat Tracing Line
- Pressure Sensing Line
- Sampling & Drain Line
- Tank Level & Draft Gauging System Line
- Fire Fighting Control Line
- Injection line

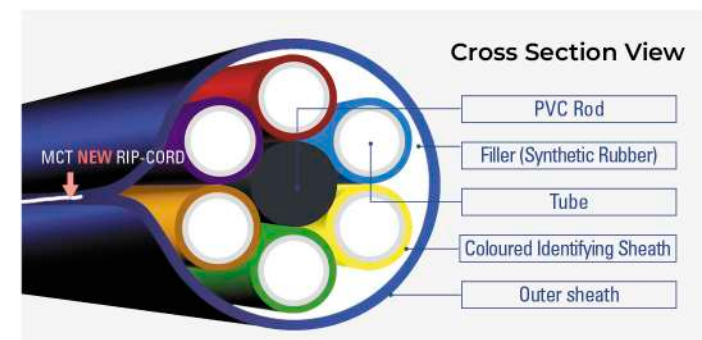
Advantage of Rip-Cord



Specification

Item	Description	Remark
Tube	Core	1~10 tubes
	Thickness	Refer to coil tubing dimension
	Length	Welded tube: Average 100~550m, Seamless tube: Depends on coil dimension
	Material	Austenite stainless steel, copper/copper alloy, nickel alloys, etc.
	Grade	A213, A269, A789, B423, B165, etc.
Encapsulation	Material	Flame-Retardant / Halogen Free Material
	Inner tube	PVC

MULTI CORE TUBE



Korea World-class Product

Designated as World Class Product of Korea
Ministry of Trade, Industry & Energy Republic of Korea

Metric Size

Outside Diameter		Weight (kg/m)						
		Stainless Steel				Copper		
		Thickness (mm)				Thickness (mm)		
O.D x Core	Overall Diameter (mm)	0.8	1	1.2	1.5	0.8	1	1.2
6 x 1	9	0.15	0.20	0.20	-	0.17	0.20	-
6 x 2	20	0.67	0.71	0.64	-	0.58	0.63	-
6 x 3	21	0.86	0.71	0.78	-	0.69	0.77	-
6 x 4	23	0.96	1.04	1.03	-	0.91	1.01	-
6 x 5	25	1.08	1.18	1.18	-	1.04	1.16	-
6 x 6	27	1.25	1.37	1.46	-	1.29	1.43	-
6 x 7	27	1.39	1.53	1.47	-	1.36	1.53	-
6 x 8	32	1.68	1.84	2.01	-	1.76	1.96	-
6 x 9	34	1.92	2.10	2.28	-	2.10	2.22	-
6 x 10	34	1.98	2.18	2.39	-	2.17	3.32	-
8 x 1	11	0.25	0.28	0.31	-	0.23	0.27	0.30
8 x 2	24	0.83	0.89	0.94	-	0.81	0.88	0.94
8 x 3	26	1.02	1.12	1.22	-	0.84	1.04	1.14
8 x 4	28	1.20	1.33	1.46	-	1.24	1.38	1.51
8 x 5	31	1.52	1.67	1.82	-	1.56	1.73	1.89
8 x 6	34	1.82	2.00	2.18	-	1.78	1.99	2.18
8 x 7	34	1.93	2.15	2.35	-	1.87	2.11	2.34
8 x 8	40	2.35	2.60	2.81	-	2.64	2.92	3.18
8 x 9	42	2.67	2.95	3.25	-	2.88	3.20	3.49
8 x 10	43	2.90	3.18	3.69	-	2.97	3.32	3.64
10 x 1	13	0.30	0.34	0.38	0.42	-	0.37	0.14
10 x 2	28	1.10	1.18	1.26	1.34	-	1.24	1.32
10 x 3	31	1.50	1.60	1.71	1.82	-	1.68	1.81
10 x 4	34	1.80	1.97	2.12	2.27	-	2.09	2.26
10 x 5	37	2.00	2.20	2.39	2.58	-	2.33	2.55
10 x 6	40	2.15	2.40	2.71	3.02	-	2.57	2.83
10 x 7	40	2.28	2.52	2.70	2.88	-	2.80	3.10
10 x 8	48	2.95	3.20	3.42	3.64	-	3.60	3.95
10 x 9	51	3.30	3.80	4.25	4.70	-	4.15	4.54
10 x 10	51	2.65	4.40	5.08	5.76	-	4.70	4.13
12 x 1	15	0.36	0.41	0.46	-	-	0.39	0.45
12 x 2	34	1.32	1.38	1.44	-	-	1.44	-
12 x 3	36	1.81	1.96	2.11	-	-	-	1.50
12 x 4	39	2.13	2.37	2.61	-	-	2.51	-
12 x 5	43	2.44	2.70	2.96	-	-	-	2.78
12 x 6	47	2.70	3.00	3.30	-	-	-	-
15 x 1	18	0.47	0.49	0.56	-	-	0.51	0.59

Imperial Size

Outside Diameter		Weight (kg/m)				
		Stainless Steel			Copper	
		Thickness (in)			Thickness (in)	
O.D x Core	Overall Diameter (mm)	0.035"	0.049"	0.065"	0.035"	0.049"
1/4" x 1	9	0.17	0.21	0.24	0.19	0.23
1/4" x 2	21	0.75	0.83	0.90	0.78	0.87
1/4" x 3	22	1.00	1.12	1.04	1.04	1.18
1/4" x 4	25	1.10	1.28	1.43	1.16	1.34
1/4" x 5	26	1.20	1.40	1.59	1.27	1.50
1/4" x 6	29	1.40	1.64	1.87	1.49	1.76
1/4" x 7	29	1.50	1.76	2.03	1.57	1.85
1/4" x 8	34	1.94	2.24	2.55	2.02	2.34
1/4" x 9	36	2.22	2.56	2.91	2.31	2.67
1/4" x 10	36	2.29	2.67	3.06	2.39	2.79
3/8" x 1	13	0.28	0.35	0.41	0.31	0.38
3/8" x 2	28	1.14	1.27	1.40	1.18	1.22
3/8" x 3	29	1.55	1.75	1.69	1.62	1.84
3/8" x 4	32	1.90	2.16	2.12	1.99	2.28
3/8" x 5	36	2.15	2.48	2.66	2.26	2.63
3/8" x 6	39	2.35	2.74	3.14	2.47	2.86
3/8" x 7	39	2.42	2.87	3.34	2.58	3.09
3/8" x 8	47	3.09	3.62	4.38	3.25	3.81
3/8" x 9	50	3.52	4.12	4.92	3.70	4.33
3/8" x 10	50	3.57	4.24	5.21	3.77	4.47
1/2" x 1	16	-	0.47	0.57	-	0.51
1/2" x 2	35	-	1.49	2.04	-	0.88
1/2" x 3	41	-	1.94	2.91	-	2.06
1/2" x 4	42	-	2.70	3.23	-	2.85
1/2" x 5	47	-	2.92	4.00	-	3.12
1/2" x 6	51	-	3.97	4.74	-	4.21

Maximum Allowable Working Pressure

Stainless Steel Seamless Tube

(Unit : bar)

O.D (mm)	Wall Thickness (mm)				
	0.8	1.0	1.2	1.5	2.0
6	330	430	520	-	-
8	240	310	380	-	-
10	190	240	300	380	530
12	160	200	245	315	430
15	-	160	190	245	335

Stainless Steel Welded Tube

(Unit : bar)

O.D (mm)	Wall Thickness (mm)				
	0.8	1.0	1.2	1.5	2.0
6	260	340	430	-	-
8	195	245	305	-	-
10	155	195	235	305	425
12	160	200	245	310	430
15	-	125	155	195	270

Copper Tube

(Unit : bar)

O.D (mm)	Wall Thickness (mm)		
	0.8	1.0	1.2
6	105	140	175
8	75	100	125
10	60	80	100
12	160	200	245
15	-	125	155

(Unit : bar)

O.D (in)	Wall Thickness (in)		
	0.035	0.049	0.065
1/4	363	535	-
3/8	232	336	-
1/2	171	245	334

(Unit : bar)

O.D (in)	Wall Thickness (in)		
	0.035	0.049	0.065
1/4	290	428	-
3/8	186	269	-
1/2	137	196	267

ENCAPSULATED STRAIGHT TUBE

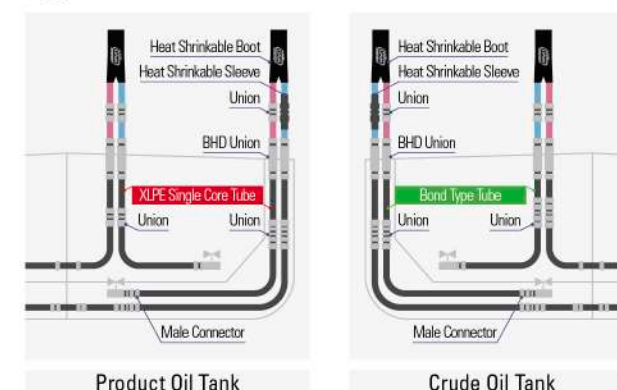
XLPE-Sheathed Tube

Cross Sectional layer as 1 Core Tube with outer sheath by XLPE material. XLPE sheath is recommended for product oil (Cargo oil, Diesel oil, Gasoline, Jet Fuel oil, Naphtha, etc.) carriers where PVC sheath is not applicable. Shipyards conventionally installed bare tubes without sheaths in product oil tanks, so the tube was bare exposed to corrosion. In order to prevent the possible tube corrosion in the tanks, XLPE-sheathed single core tubes (non-adhesive) are highly recommended for product oil carriers. XLPE material properties are not available with adhesive.

Bond Type Tube

The bond type tube is installed in a water ballast tank (WBT) and a crude oil tank (COT). This tube has a special adhesive layer. between the tube and protective outer sheath, capable of localizing any physical damage to the tube. When compared to conventional use of bare tube (typically 2 mm wall) the bond type tube of 0.8-1.0 mm wall is commonly adopted, which enables the yards' installation easier and minimizes corrosion of the tube in service.

Typical Installation



Properties of Sheath

Item	PVC	TCR PVC	FR PVC	HFFR TPU	HFFR PE	XLPE
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DOWNHOLE TUBE

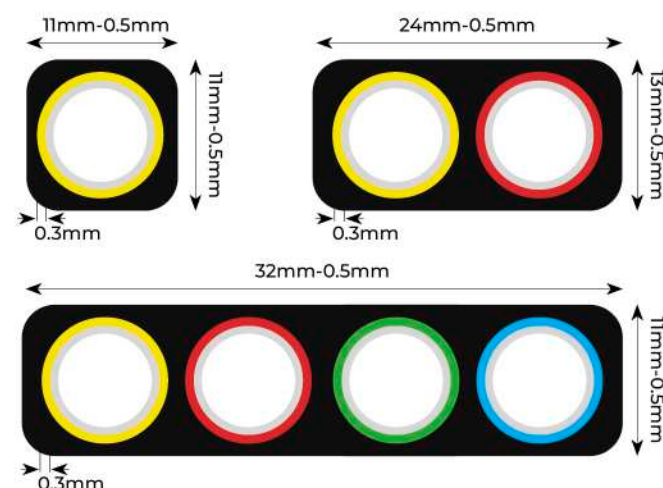
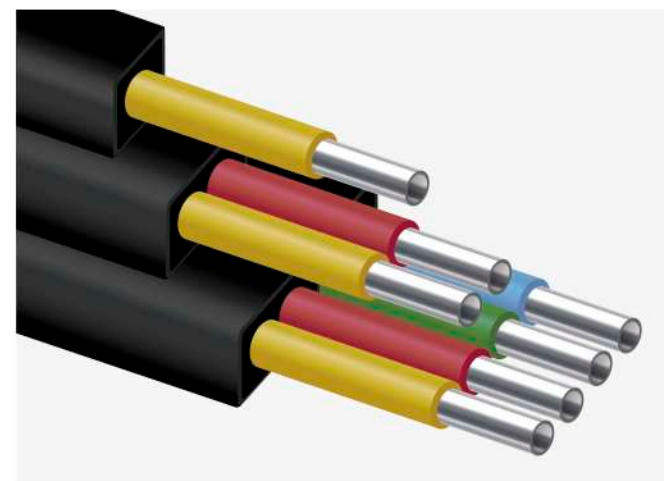
ENCAPSULATION & FLATPACK

It is intended to protect tubing against various detrimental elements in downhole applications and well-known concept in oil & gas industry. Cladding made of high-performance encapsulating materials that are functional at operational temperatures. Tube type, diameter, and encapsulating material can be selected based on requirements.

Available shape:	Steel grade:
Round and Square	SS316L, Inconel 625, Incoloy 825, etc.
Tube type:	Encapsulation material:
Seamless and Welded	Polypropylene, Santoprene, PVDF, FEP, and other polymers.

Product Applications

- Downhole hydraulic control line
- Downhole chemical control line
- Subsea control lines for hydraulic power and chemical injection line
- Smoothbore control lines used in fiber optic application



Standard Profiles

	Wall Thickness									
	inch	mm	0.035"	0.89mm	0.049"	1.24mm	0.065"	1.65mm	0.083"	2.11mm
Outside Diameter [OD]	1/4"[0.25"]	6.35mm								
	5/16"[0.313"]	7.94mm								
	3/8"[0.375"]	9.53mm								
	1/2"[0.500"]	12.70mm								

Type	Standard Dimensions
Round	Dia 0.433" [Dia 11mm]
Round	Dia 0.511" [Dia 13mm]
Square	0.433" x 0.433" [11mm x 11mm]
Square	0.535" x 0.535" [13.6mm x 13.6mm]
Square	0.660" x 0.660" [17mm x 17mm]
Square	0.826" x 0.826" [21mm x 21mm]
Square	0.945" x 0.512" [24mm x 13mm]
Rectangular	W=0.709" x H=0.433" [W=18mm x H=11mm]
Rectangular	W=1.260" x H=0.433" [W=32mm x H=11mm]

Other options are also available.

ORBITAL TUBE WELDING

Circumferential welding of welded and seamless tubes

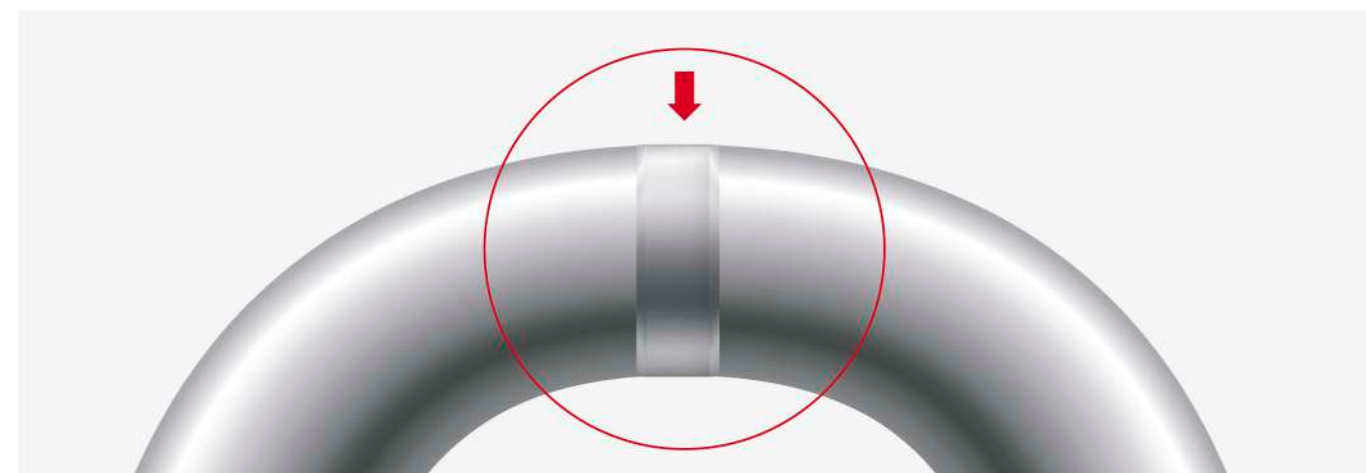
Orbital welding enables continuous control lines without the necessity of a connector. Orbital welding has become the standard joining method for high-purity liquid and gas systems in the semiconductor, pharmaceutical, and other sectors where leak-free integrity is required. Orbital welding provides various advantages over traditional welding techniques, including higher production, consistent weld quality, operator skill levels, better environmental conditions, and greater safety.

Length:
Adjustable / Possibly supply over 6,000m per reel.

Packing method:
Wooden or Metal spool

Product Applications

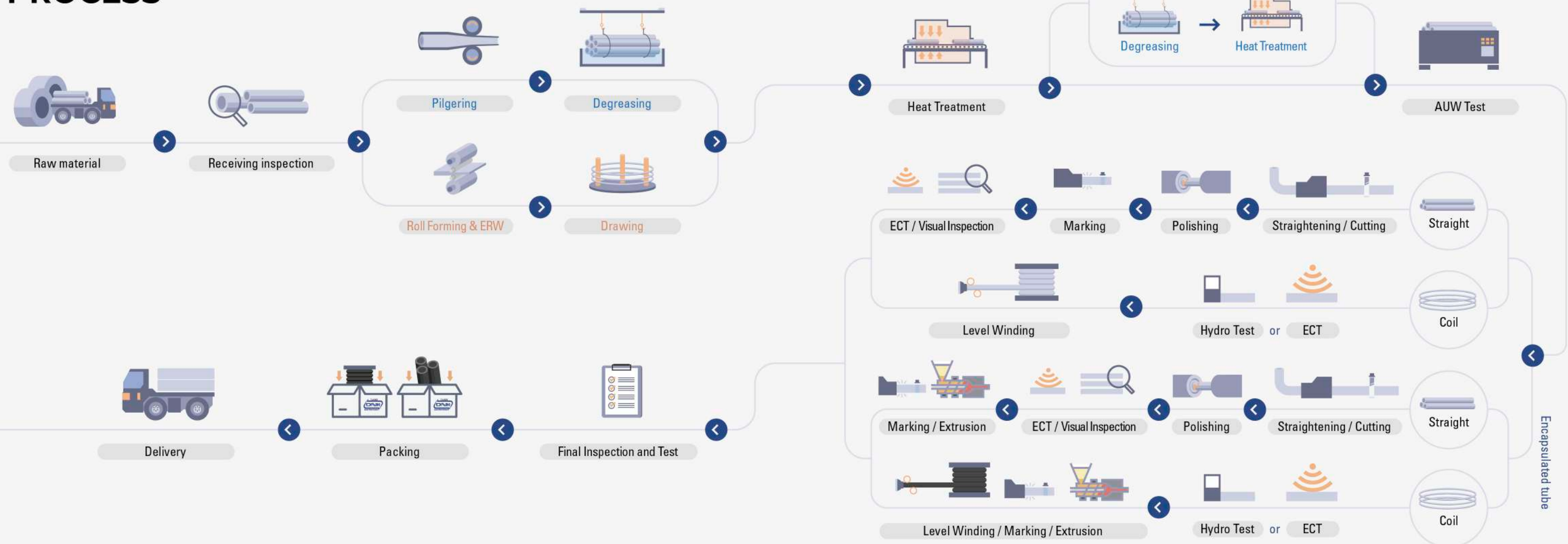
- Clean-room components for the semiconductor industry.
- Tube work for many sectors, including automotive, aerospace, biotechnology, chemical engineering, food processing, pharmaceutical, power, oil and gas, and shipbuilding.



Work photo



PRODUCTION PROCESS



INSPECTION & TESTING

DONGNAMKOREA's quality assurance system ensures quality by monitoring the whole production process in compliance with the ISO system's criteria and techniques, reflecting the specifications and standards specified for each order.

Traceability throughout the entire manufacturing process:

- Material Test Reports accompany every shipment
- In-house, climate controlled laboratory
- Samples retained from every lot for peace of mind
- 100% Positive Material Identification (PMI)
- 100% Pressure Testing of all coils



Universal testing machine



Surface roughness meter



Ultrasonic test machine



Hardness Tester



PMI machine



Pressure test machine



Microscope



Eddy current test machine



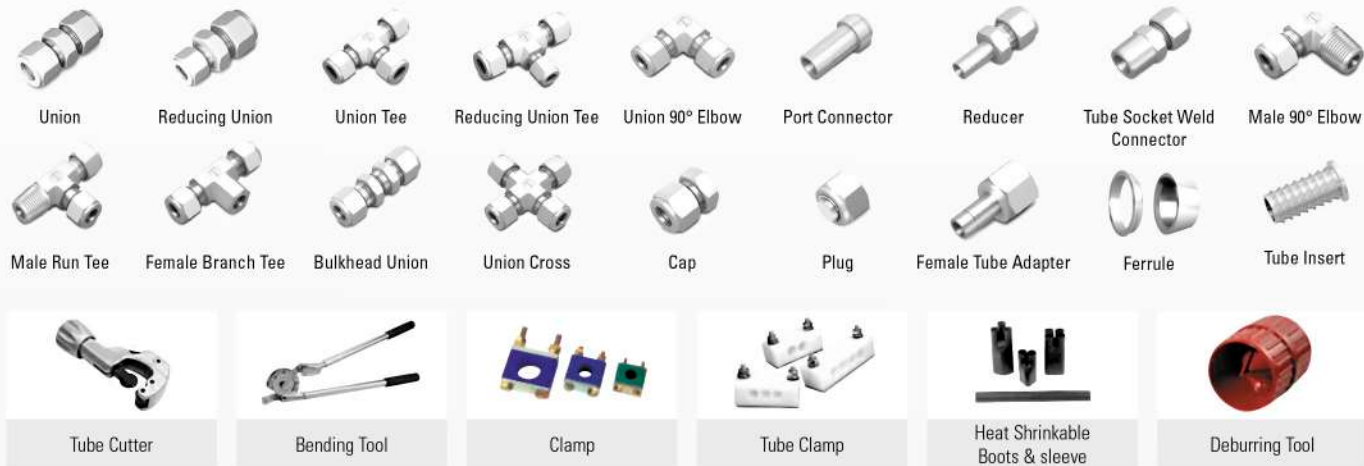
Burst test machine



TUBE FITTINGS & OTHER SUBSIDIARY MATERIALS

DONGNAMKOREA supplies subsidiary materials for tubes as well.

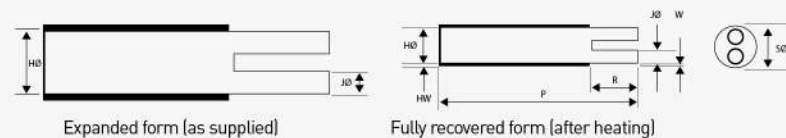
- Highly recommend to use bite type tube fittings for high pressure operating condition.



HEAT SHRINKABLE SLEEVE/BOOTS

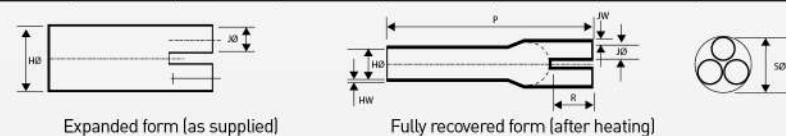
Heat shrinkable sleeve/boots provide complete water sealing, and abrasion and corrosion protection under the most adverse environmental conditions.

• 200 Series 2-Way Outlet Shapes in line



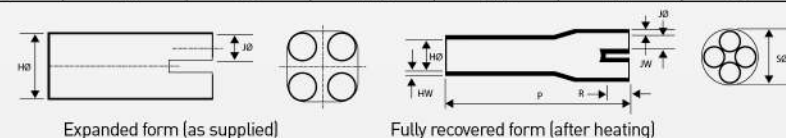
Conductor Size mm ²	HT Part NO.	Expanded(Min)				Recovered(Max)		Recovered dimensions fully shrunk				
		H	H-H Matl	J	J-H Matl	H	J	P±10%	R±10%	S(nom)	HW±20%	W±20%
4-35	*223-2	30.0	30.0	15.0	15.0	9.4	4.1	94.0	30.0	20.0	1.5	1.2
35-150	*218-1	50.0	50.0	21.0	21.0	22.9	7.6	119.0	34.0	30.0	3.2	3.2

• 300 Series 3-Way Outlet Shapes in line



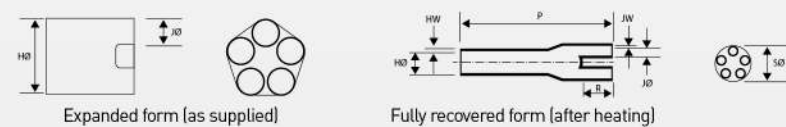
Conductor Size mm ²	HT Part NO.	Expanded(Min)				Recovered(Max)		Recovered dimensions fully shrunk				
		H	H-H Matl	J	J-H Matl	S(nom)	P±10%	R±10%	HW±20%	W±20%		
16-35	*319-1	31.0	15.0	17.5	4.6	23.0	93.5	28.5	2.9	2.9		
50-150	*328-1	43.2	20.8	22.9	7.6	36.0	99.0	34.0	3.8	3.8		

• 400 Series 4-Way Outlet Shapes in line



Conductor Size mm ²	HT Part NO.	Expanded(Min)				Recovered(Max)		Recovered dimensions fully shrunk				
		H	H-H Matl	J	J-H Matl	S(nom)	P±10%	R±10%	HW±20%	W±20%		
16-35	*319-1	31.0	15.0	17.5	4.6	23.0	93.5	28.5	2.9	2.9		
50-150	*328-1	43.2	20.8	22.9	7.6	36.0	99.0	34.0	3.8	3.8		

• 500 Series 5-Way Outlet Shapes in line



Conductor Size mm ²	Expanded(Min)				Recovered(Max)		Recovered dimensions fully shrunk					
	H	H-H Matl	J	J-H Matl	H	J	S(nom)	P±10%	R±10%	HW±20%	W±20%	
35-150	60.0	60.0	30.0	22.5	24.5	7.5	48.0	180.0	30.0	3.5	3.0	

CERTIFICATES

Norsok M-650



Norsok S32750

World-Class Product of Korea



Norsok S31254

System Authentication



ABS PED

QHSE Management System



ISO 9001(ABS)



ISO 14001(ABS)



ISO 45001(ABS)

Works/Type Approvals



ABS PDA



ABS Manufacturing Assessment



BV Works Approval



DNVGL Approval of Manufacturer



KR Approval Certificate for Manufacturing Process



LR Approval of Manufacturer



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