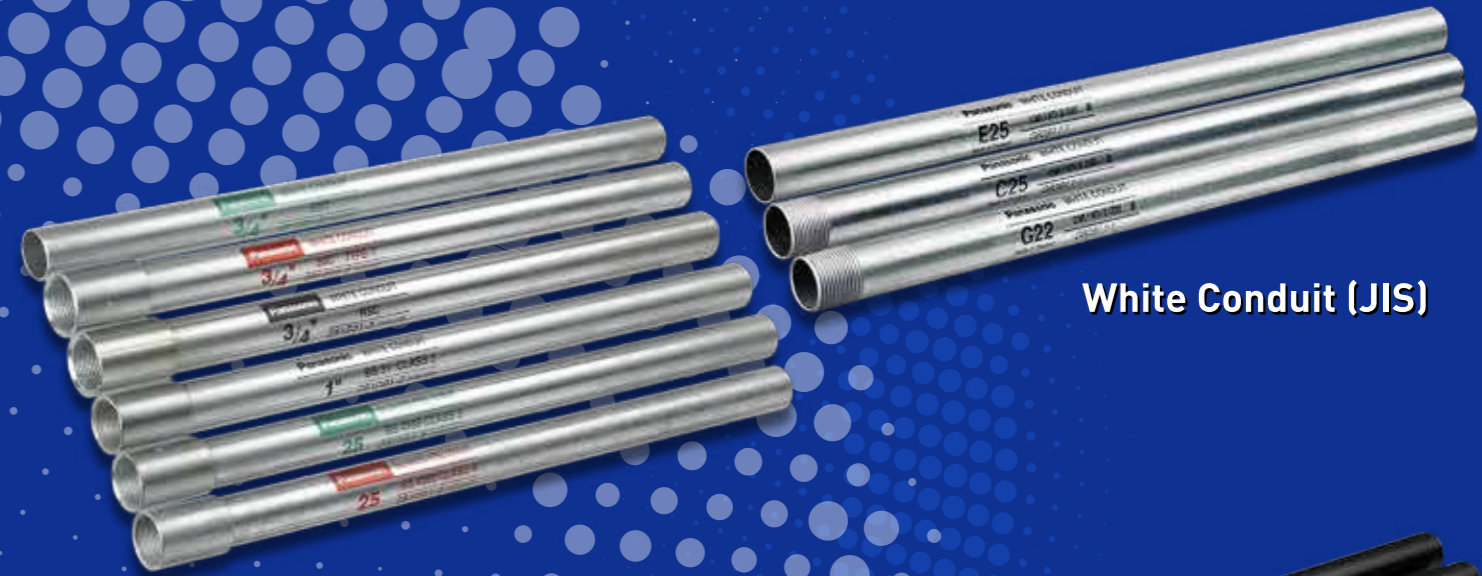


Panasonic

WHITE CONDUIT
POLYETHYLENE-LINING STEEL PIPE
STAINLESS STEEL CONDUIT PIPE

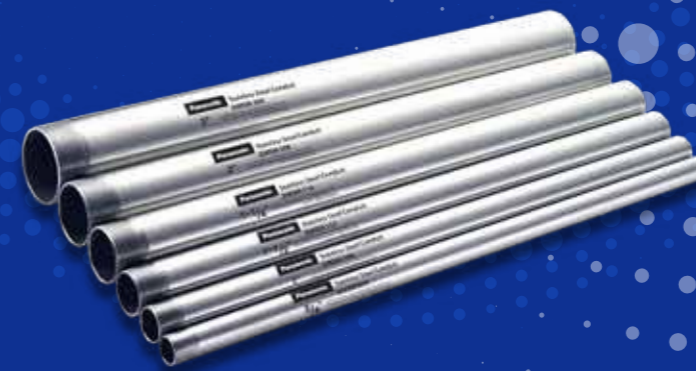


White Conduit (JIS)

White Conduit Pipe and Fittings (UL, BS)



Polyethylene-Lining Steel Pipe



Stainless Steel Pipe

Please contact:

Panasonic[®]

Panasonic SPT (Thailand) Co., Ltd.
■ 51/4 Moo 2 Poochaosamingprai Rd., Bangyaprak, Phrapradaeng,
Samutprakarn, Thailand 10130
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Panasonic Corporation Life Solutions Company

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Specifications are subject to change without notice.



Certificate No. TH98/4954



Certificate No. TH99/6248

Certificates

ISO 9001 & ISO 14001



Certificate No. TH98/4954



Certificate No. TH99/6248

Certification Acquired Worldwide



UL 797 (EMT)



UL 1242 (IMC)



UL 6 (RSC)



UL 1 (FLEXIBLE METAL CONDUIT)



UL 514B (UL Fittings)



TIS770 (EMT/IMC/RSC)

Compliances



BS31



BS4568 CLASS4



BS4568 CLASS3



KS C8401 (E&G Conduit)

Sales

We are proud of our sales records both in Thailand and export to overseas to South-East and North-East Asia, Middle East, Africa, Europe, and USA

JORDAN, TURKEY, IRAQ, SAUDI ARABIA, EGYPT, BAHRAIN, QATAR, U.A.E, KUWAIT, NIGERIA, KENYA, SINGAPORE, INDONESIA, JAPAN, SOUTH KOREA, TAIWAN, PHILIPPINES, VIETNAM, USA

Panasonic SPT (Thailand) Co., Ltd.

Outstanding Features of Panasonic White Conduit

Superior galvanizing by in-line hot-dip process for greater protection against corrosion. Finished with durable and clear anti-corrosion coating for higher protection outside and higher grade epoxy coating inside.

Features

1) Easy and accurate bending

Panasonic White Conduit is made of high quality steel and processed by high frequency induction welding to prevent cracking when bend.

2) Easy wire pushing and pulling

The high-grade stoved epoxy resin coating on the inside wall makes wire-pulling easy, and protects against corrosion.

3) Easy coupling and fast installation

Precise, sharp threads cut by automated machinery means fast and easy installation. Precise thread also makes our conduit virtually moisture-tight.

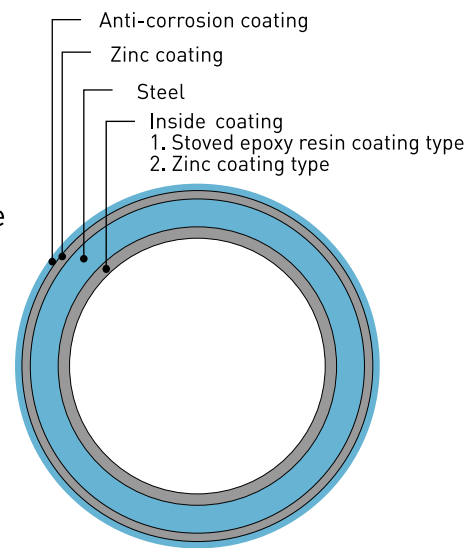
4) High corrosion resistance

Pure zinc coating on the exterior wall and stoved epoxy resin finish on the inside protects WHITE CONDUIT from corrosion, even by harsh chemicals and sea air.

5) Uniform quality

Flat steel is rolled, zinc-coated and threaded in one continuous automated process for uniform high quality.

CROSS-SECTIONAL VIEW OF Panasonic WHITE CONDUIT



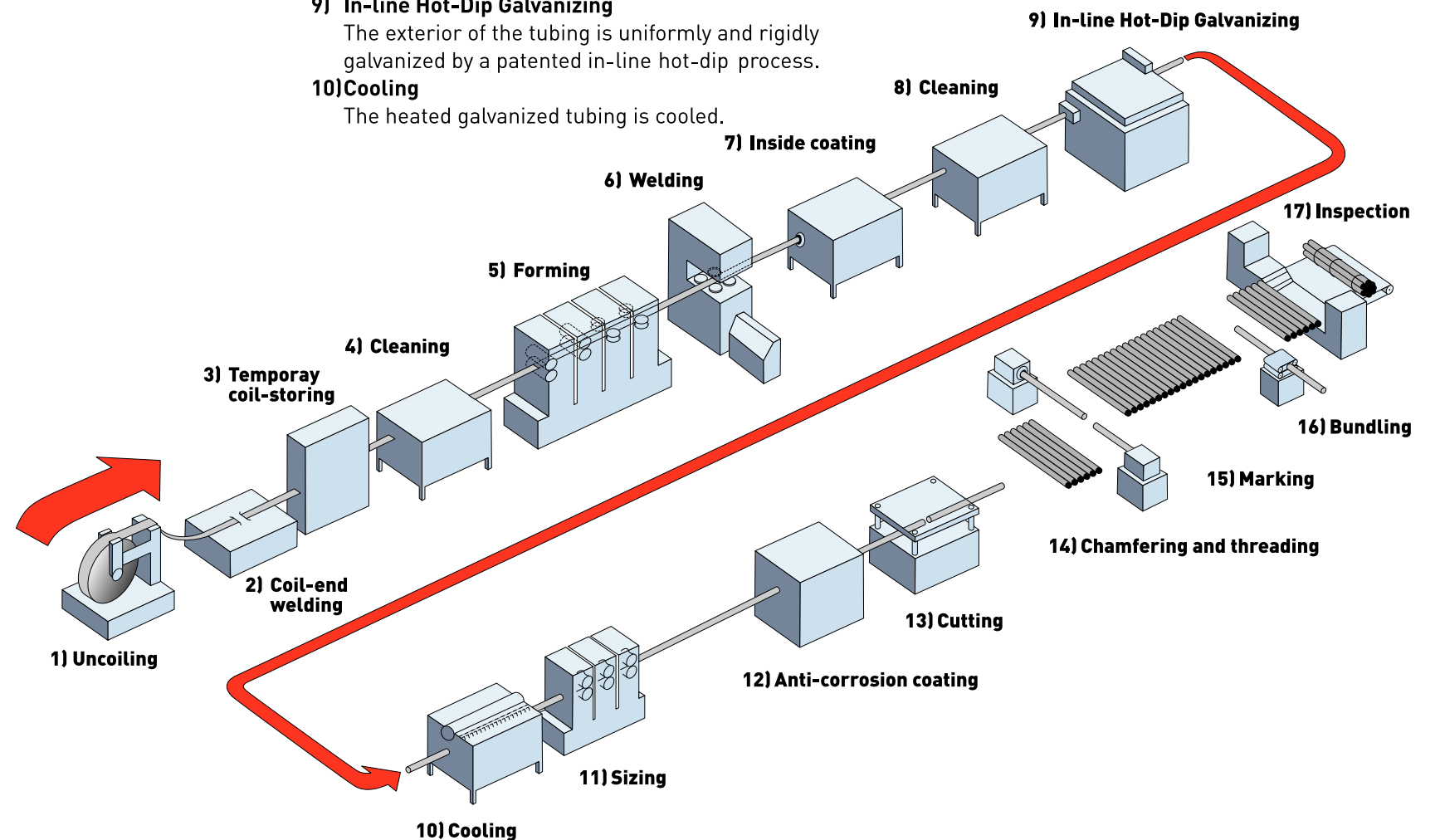
Standards

Panasonic WHITE CONDUIT is available in five types conforming to the following standard:
 *UL/ANSI (EMT, IMC and RSC)
 *BS (BS31-1940 and BS4568-1970)
 *TIS770
 *JIS (Plain, Thin Wall and Thick Wall)
 *KS (Plain and Thick Wall)



Flow Chart of Manufacturing Process

- 1) **Uncoiling**
High quality strip steel coils are uncoiled and sent to the forming mills.
- 2) **Coil-end welding**
Both ends of the coils are welded to form a single strip.
- 3) **Temporary coil-storing**
Strip steel is stored here temporarily for coil end welding without stopping the main line.
- 4) **Cleaning**
All surface scale and oil on the strip steel are removed to assure accurate forming and rigid welding.
- 5) **Forming**
The flat strip steel is rolled into basic tubing.
- 6) **Welding**
Basic tubes are welded by a high frequency induction welder. This type of welding assures rigidity, splitting-resistance and effectively eliminates inside flash.
- 7) **Inside coating**
The inside wall of the conduit is coated with epoxy resin.
- 8) **Cleaning**
All surface scale and oil are removed from the tubing before galvanizing.
- 9) **In-line Hot-Dip Galvanizing**
The exterior of the tubing is uniformly and rigidly galvanized by a patented in-line hot-dip process.
- 10) **Cooling**
The heated galvanized tubing is cooled.
- 11) **Sizing**
The cooled, galvanized tubing is rolled to precise outside diameters in accordance with customer specifications.
- 12) **Anti-corrosion coating**
For protection in addition to zinc coating, the galvanized surface is finished with a clear anticorrosion coating.
- 13) **Cutting**
Tubing is square-cut to the specified lengths.
- 14) **Chamfering and threading**
Both ends of the cut conduit are chamfered and threaded to precise tolerance.
- 15) **Marking**
Brand name, size, standards, production codes, etc. are marked on the conduit.
- 16) **Bundling**
Finished conduit is steel strapped into approximately one metric ton bundle.
- 17) **Inspection**
At all steps of production, strict quality control is enforced. Unless customer specifies UL, or other certificates, all conduit is inspected according to factory specifications.

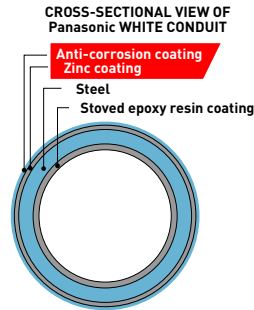


Outstanding Quality of Panasonic

EMT, BS4568 CLASS 3 Conduit

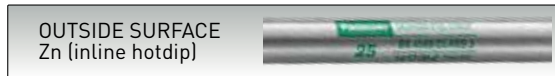
1. Superb OUTSIDE Surface!

2 Layers Coating Technology by Panasonic



• Copper sulphate

Outside coating : Coated with zinc by in-line galvanizing process which makes our coating better. Moreover, we have final anti-corrosion coating for additional protection.



Test Std : UL797 Clause 6.2.2 (Protective Zinc coating)
 Criteria : Product passes if they do not show a bright adherent deposit of copper after four 60 seconds immersions in the copper sulphate solution.

Test Std: BS4568 Clause A.3.3 (Protective Zinc coating)
 Criteria : Product pass if they do not show a bright adherent deposit of copper after four 60 second immersions in the copper sulphate solutions.
 Result : **No formation of red rust.** (Superior resistance to corrosion)

0 cycle	1 cycle	2 cycle	3 cycle	4 cycle
	Pass	Pass	Pass	Pass

CUSO ₄ Test (Cleaning additional coating before test)	0 cycle	1 cycle	2 cycle	3 cycle	4 cycle
Outside					

Result : Fully confirm to the above requirement of UL

• Salt spray test

Method : It involves spraying of salt solution on the sample being tested inside a temperature controlled chamber.
 Duration : 480 hours or more.
 Result : No formation of red rust. (Superior resistance to corrosion)

96 hours	168 hours	240 hours	336 hours	408 hours	480 hours
Result White Rust 30%	Result White Rust 80%	Result White Rust 90%	Result White Rust 100%	Result White Rust 100%	Result White Rust 100%

Under testing corrosion will appear as - White rust & Red rust

White rust

It is the formation of zinc oxide and looks like white powder on top of Zinc plated steel. The good thing about it is that this form of rust is not affecting the base material. It does not indicate serious degradation of zinc coating nor does necessarily it imply any likely reduction in the expected life of the product



White rust

Red rust

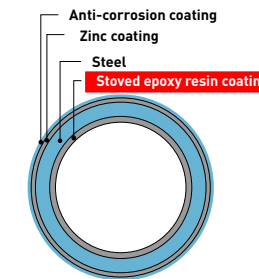
It is caused by the corrosion of steel substrate where zinc coating has broken down completely. The most important thing about red rust is that this form of rust is affecting the base material resulting in the degradation of material.



Red rust

2. Superb INSIDE Surface!

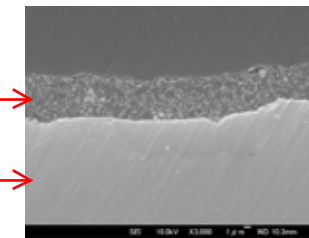
Rust Proof & Smooth Seam! Special Coating Technology by Panasonic



Inline method
Dense and uniform
coating film

Stoved epoxy resin coating

Steel



INSIDE SURFACE
ENAMEL COATING THOROUGHLY

Corrosion resistance
Uniform Quality

OUTSIDE SURFACE
- INLINE HOT DIP =>
UNIFORM & SMOOTH

Easy wire pushing & pulling

INSIDE SURFACE
- ENAMEL COATING

Easy wire pulling

INSIDE SEAM
- SMOOTH & SMALL

Protect wire insulation

INSIDE SEAM

Protect from corrosion

Easy wire pushing & pulling

3. Superb Bending!

Smoothly and No Damage in Any Bending Angle!
Exclusive Material & Process by Panasonic

By the use of high quality manufacturing and high quality steel Panasonic conduit can bend smoothly and there is no damage in any bending angle.

Easy and accurate bending

Made From : **HIGH QUALITY STEEL**
To prevent flattening & splitting

INSIDE CURVE -Doesn't wave

INSIDE SURFACE - TIGHTLY STICK, NO CRACK WHEN BENDING

~~FLATTENING~~

~~SPLITTING~~

Panasonic conduits are manufactured from high quality steel & processed by high frequency induction welding therefore the finished tube is uniform in OD, wall thickness & ductility.

White Conduit & Conduit Fittings

ANSI/UL



UL 797

EMT (Electrical Metallic Tubing)

Listed by "UL" File No. E-44051

Item No.	Size (inch)	Outside diameter (mm)	Target Wall Thickness (mm)	Length (mm)	Target Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DWE012Y	1/2	17.93	1.04	3,048	1.32	10	500
DWE034Y	3/4	23.42	1.20	3,048	2.01	10	300
DWE100Y	1	29.54	1.39	3,048	2.94	5	200
DWE114Y	1-1/4	38.35	1.59	3,048	4.40	5	125
DWE112Y	1-1/2	44.20	1.59	3,048	5.10	5	100
DWE200Y	2	55.80	1.59	3,048	6.49	3	75
DWE212Y	2-1/2	73.03	1.74	3,048	9.33	-	40
DWE300Y	3	88.90	1.74	3,048	11.41	-	30
DWE312Y	3-1/2	101.60	1.97	3,048	14.77	-	20
DWE400Y	4	114.30	1.99	3,048	16.82	-	20

IMC (Intermediate Metal Conduit)

Listed by "UL" File No. E-62193

UL 1242

Item No.	Size (inch)	Outside diameter (mm)	Target Wall Thickness (mm)	Length (mm)	Target Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DWM012Y	1/2	20.70	1.81	3,030	2.56	10	300
DWM034Y	3/4	26.14	1.92	3,030	3.48	5	250
DWM100Y	1	32.77	2.18	3,025	4.96	5	125
DWM114Y	1-1/4	41.59	2.18	3,025	6.41	3	75
DWM112Y	1-1/2	47.81	2.31	3,025	7.84	3	75
DWM200Y	2	59.93	2.43	3,025	10.42	-	50
DWM212Y	2-1/2	72.56	3.60	3,010	18.43	-	40
DWM300Y	3	88.29	3.60	3,010	22.63	-	30
DWM312Y	3-1/2	100.86	3.60	3,005	25.95	-	20
DWM400Y	4	113.40	3.60	3,005	29.29	-	15

RSC (Rigid Steel Conduit/ Hot-Dip Galvanized Outside and Epoxy Resin Inside)

Listed by "UL" File No. E-157617

UL 6

Item No.	Size (inch)	Outside diameter (mm)	Target Wall Thickness (mm)	Length (mm)	Target Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DWR012Y	1/2	21.34	2.56	3,030	3.59	10	300
DWR034Y	3/4	26.67	2.66	3,030	4.77	5	250
DWR100Y	1	33.40	3.06	3,025	6.93	5	125
DWR114Y	1-1/4	42.16	3.12	3,025	9.09	3	75
DWR112Y	1-1/2	48.26	3.35	3,025	11.22	3	75
DWR200Y	2	60.33	3.53	3,025	14.96	-	50

RSC (Rigid Steel Conduit/ Hot-Dip Galvanized both Inside and Outside)

Listed by "UL" File No. E-157617

UL 6

Item No.	Size (inch)	Outside diameter (mm)	Target Wall Thickness (mm)	Length (mm)	Target Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DWR012ZY	1/2	21.34	2.60	3,030	3.64	10	300
DWR034ZY	3/4	26.67	2.72	3,030	4.87	5	250
DWR100ZY	1	33.40	3.16	3,025	7.13	5	125
DWR114ZY	1-1/4	42.16	3.22	3,025	9.35	3	75
DWR112ZY	1-1/2	48.26	3.42	3,025	11.44	3	75
DWR200ZY	2	60.33	3.60	3,025	15.23	-	50
DWR212ZY	2-1/2	73.03	4.73	3,010	23.98	-	40
DWR300ZY	3	88.90	5.09	3,010	31.66	-	30
DWR312ZY	3-1/2	101.60	5.26	3,005	37.55	-	20
DWR400ZY	4	114.30	5.52	3,005	44.50	-	15
DWR500ZY	5	141.30	6.02	2,995	60.15	-	10
DWR600ZY	6	168.28	6.56	2,995	78.35	-	5

Coupling (Steel) (for EMT)



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DSE 01012Y	1/2	300	0.038
DSE 01034Y	3/4	200	0.071
DSE 01100Y	1	100	0.095
DSE 01114Y	1-1/4	60	0.147
DSE 01112Y	1-1/2	60	0.178
DSE 01200Y	2	30	0.261

EMT Coupling-Set Screw type

UL Listed

UL 514B



Item No.	Size (inch)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSU 01012YK/C	1/2	60	300	0.032
DSU 01034YK/C	3/4	40	200	0.048
DSU 01100YK/C	1	25	100	0.078
DSU 01114YK/C	1-1/4	20	60	0.145
DSU 01112YK/C	1-1/2	20	60	0.179
DSU 01200YK/C	2	15	30	0.243
DSU 01212YK/C	2-1/2	-	20	0.613
DSU 01300YK/C	3	-	15	0.766
DSU 01312YK/C	3-1/2	-	10	0.914
DSU 01400YK/C	4	-	10	1.069

*Note : K is without China mark, C is with China mark.

EMT Coupling-Compression type

UL Listed

UL 514B



Item No.	Size (inch)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSE 21012YK	1/2	60	300	0.066
DSE 21034YK	3/4	40	200	0.091
DSE 21100YK	1	20	100	0.130
DSE 21114YK	1-1/4	30	90	0.211
DSE 21112YK	1-1/2	20	60	0.241
DSE 21200YK	2	15	45	0.277

Connector (Steel) (for EMT)



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DFM 020122Y	1/2	300	0.040
DFM 020342Y	3/4	200	0.066
DFM 021002Y	1	100	0.086

EMT Connector-Set Screw type

UL Listed

UL 514B



Item No.	Size (inch)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DFU 020122YK/C	1/2	60	300	0.032
DFU 020342YK/C	3/4	40	200	0.047
DFU 021002YK/C	1	25	100	0.079
DFU 021142YK/C	1-1/4	20	60	0.133
DFU 021122YK/C	1-1/2	20	60	0.158
DFU 022002YK/C	2	15	30	0.217
DFU 022122YK/C	2-1/2	-	20	0.554
DFU 023002YK/C	3	-	15	0.725
DFU 023122YK/C	3-1/2	-	10	0.835
DFU 024002YK/C	4	-	10	1.005

*Note : K is without China mark, C is with China mark.

EMT Connector - Compression type/ EMT Connector - Compression type (With Bushing)

UL Listed

UL 514B



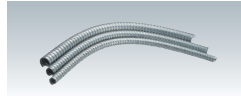
Item No.	Size (inch)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSE 22012YK/CYK	1/2	60	300	0.046/0.051
DSE 22034YK/CYK	3/4	40	200	0.071/0.073
DSE 22100YK/CYK	1	20	100	0.114/0.115
DSE 22114YK/CYK	1-1/4	30	90	0.179/0.190
DSE 22112YK/CYK	1-1/2	20	60	0.210/0.218
DSE 22200YK/CYK	2	15	45	0.275/0.276

*Note : CYK is with Bushing.

White Conduit & Conduit Fittings

ANSI/UL

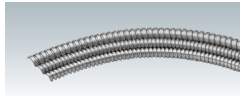
Flexible Conduit



Item No.	Size (inch)	Outside Diameter (mm)	Standard Pack (m / Roll)	Weight (Kg/Pc)
DME 012	1/2	21.84 ~ 23.37	30	7.80
DME 034	3/4	26.54 ~ 28.07	30	9.70
DME 100	1	33.02 ~ 35.05	15	5.80

Flexible Conduit

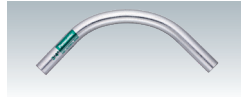
Listed by "UL" File No. E-468172 UL 1



Item No.	Size (inch)	Outside Diameter (mm)	Standard Pack (m / Roll)	Weight (Kg/Pc)
DMU 012	1/2	21.84 ~ 23.37	30	14.50
DMU 034	3/4	26.54 ~ 28.07	30	17.00
DMU 100	1	33.02 ~ 35.05	15	11.50

Normal Bends (for EMT)

Listed by "UL" File No. E-44051 UL 797



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DSE 04012Y	1/2	80	0.10
DSE 04034Y	3/4	35	0.20
DSE 04100Y	1	36	0.40
DSE 04114Y	1-1/4	20	0.60
DSE 04112Y	1-1/2	28	0.80
DSE 04200Y	2	15	1.10
DSE 04212Y	2-1/2	8	2.16
DSE 04400Y	4	4	6.30

EMT Strap (Steel) - One Hole

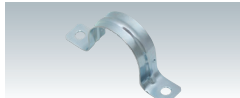
Listed by "UL" File No. E-478292 UL 2239



Item No.	Size (inch)	Weight (Kg/Pc)	Inner Box pcs/box	Outer Box pcs/box
DSE 161012YK	1/2	0.0071	-	1,000
DSE 161034YK	3/4	0.0127	-	600
DSE 161100YK	1	0.0196	-	400
DSE 161114YK	1-1/4	0.0345	-	200
DSE 161112YK	1-1/2	0.0590	-	150
DSE 161200YK	2	0.0785	-	100
DSE 161212YK	2-1/2	0.1637	-	50
DSE 161300YK	3	0.1887	-	15
DSE 161312YK	3-1/2	0.2935	-	15
DSE 161400YK	4	0.3100	-	15

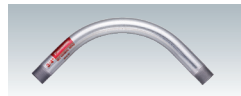
EMT Strap (Steel) - Two Hole

Listed by "UL" File No. E-478292 UL 2239



Item No.	Size (inch)	Weight (Kg/Pc)	Inner Box pcs/box	Outer Box pcs/box
DSE 162012YK	1/2	0.0081	-	1,000
DSE 162034YK	3/4	0.0121	-	600
DSE 162100YK	1	0.0128	-	400
DSE 162114YK	1-1/4	0.0202	-	200
DSE 162112YK	1-1/2	0.0303	-	150
DSE 162200YK	2	0.0450	-	100
DSE 162212YK	2-1/2	0.0950	-	50
DSE 162300YK	3	0.1114	-	15
DSE 162312YK	3-1/2	0.1322	-	15
DSE 162400YK	4	0.1491	-	15

Normal Bends (for IMC)



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DFM 13012Y	1/2	54	0.30
DFM 13034Y	3/4	50	0.40
DFM 13100Y	1	30	0.80
DFM 13114Y	1-1/4	36	1.00
DFM 13112Y	1-1/2	21	1.40
DFM 13200Y	2	10	2.50
DFM 13212Y	2-1/2	1	4.80
DFM 13300Y	3	1	6.60
DFM 13312Y	3-1/2	1	8.90
DFM 13400Y	4	1	12.30

Coupling (Steel) (for IMC)



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DFM 11012Y	1/2	250	0.059
DFM 11034Y	3/4	200	0.090
DFM 11100Y	1	150	0.125
DFM 11114Y	1-1/4	100	0.187
DFM 11112Y	1-1/2	100	0.219
DFM 11200Y	2	40	0.330
DFM 11212Y	2-1/2	18	0.770
DFM 11300Y	3	18	0.837
DFM 11312Y	3-1/2	12	1.182
DFM 11400Y	4	12	1.336

Normal Bends (for RSC) (Hot-Dip Galvanized Outside and Epoxy Resin Inside)



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DFR 13012Y	1/2	54	0.32
DFR 13034Y	3/4	50	0.46
DFR 13100Y	1	30	0.88
DFR 13114Y	1-1/4	36	1.60
DFR 13112Y	1-1/2	21	2.11
DFR 13200Y	2	10	3.20

Normal Bends (for RSC) (Hot-Dip Galvanized both Inside Outside)



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DFR 13012ZY	1/2	54	0.32
DFR 13034ZY	3/4	50	0.46
DFR 13100ZY	1	30	0.88
DFR 13114ZY	1-1/4	36	1.60
DFR 13112ZY	1-1/2	21	2.11
DFR 13200ZY	2	10	3.20
DFR 13212ZY	2-1/2	1	5.70
DFR 13300ZY	3	1	9.12
DFR 13312ZY	3-1/2	1	17.02
DFR 13400ZY	4	1	18.48

Coupling (Steel) (for RSC)



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DFR 11012Y	1/2	250	0.059
DFR 11034Y	3/4	200	0.090
DFR 11100Y	1	150	0.125
DFR 11114Y	1-1/4	100	0.187
DFR 11112Y	1-1/2	100	0.219
DFR 11200Y	2	40	0.330

Coupling (Steel) (for RSC) (Hot-Dip Galvanized)



Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DFR 11012ZY	1/2	250	0.059
DFR 11034ZY	3/4	200	0.090
DFR 11100ZY	1	150	0.125
DFR 11114ZY	1-1/4	100	0.187
DFR 11112ZY	1-1/2	100	0.219
DFR 11200ZY	2	40	0.330
DFR 11212ZY	2-1/2	18	0.770
DFR 11300ZY	3	18	0.837
DFR 11312ZY	3-1/2	12	1.182
DFR 11400ZY	4	12	1.336

BS31



Threaded conduit - Medium/Heavy protection (Class 3)

BS31 :1940

Item No.	Size (inch)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DWB 0343S	3/4	18.92	1.60	3,048	2.11	10	350
DWB 0343L				3,810	2.63	10	350
DWB 1003S	1	25.27	1.60	3,048	2.90	10	250
DWB 1003L				3,810	3.61	10	250
DWB 1143S	1-1/4	31.62	1.60	3,048	3.69	7	210
DWB 1143L				3,810	4.59	7	210
DWB 1123S	1-1/2	37.96	1.80	3,048	5.00	5	150
DWB 1123L				3,810	6.23	5	150
DWB 2003S	2	50.66	2.00	3,048	7.49	3	90
DWB 2003L				3,810	9.32	3	90

BS31



Coupling (Steel)

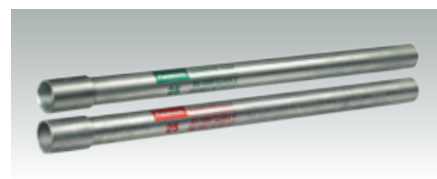
Item No.	Size (inch)	Standard Pack (Pcs / Box)	Weight (Kg/Pc)
DFB 11034	3/4	500	0.028
DFB 11100	1	300	0.048
DFB 11114	1-1/4	250	0.076
DFB 11112	1-1/2	100	0.110
DFB 11200	2	100	0.176

White Conduit & Conduit Fittings

BS4568

Threaded conduit - Medium/Heavy protection (Class 3)

BS4568: Part 1 : 1970



Item No.	Size (mm)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DWB 0203	20	19.85	1.60	3,750	2.72	10	350
DWB 0253	25	24.80	1.60	3,750	3.48	10	250
DWB 0323	32	31.80	1.60	3,750	4.54	7	210

Threaded conduit - Heavy protection (Class 4)

BS4568: Part 1 : 1970

Item No.	Size (mm)	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DWB 0204	20	19.85	1.60	3,750	2.92	10	350
DWB 0254	25	24.80	1.60	3,750	3.71	10	250
DWB 0324	32	31.80	1.60	3,750	4.84	7	210

Coupling-Heavy protection (Class4)

BS4568: Part1: 1970

Item No.	Size (mm)	Standard Pack (Pcs/Box)	Weight (Kg/Pc)
DFB 110204	20	500	0.036
DFB 110254	25	300	0.052
DFB 110324	32	250	0.078

Circular box malleable (Deep)

BS4568: Part 2: 1970

Item No.	Terminal	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
			Inner box	Outer box	
DSG 3120	Terminal	20	5	40	0.46
DSG 3220	Through	20	5	40	0.48
DSG 3320	Tee	20	5	40	0.48
DSG 3420	Intersection	20	5	40	0.50
DSG 3520	Angle	20	5	40	0.52

Circular box malleable (Standard)

BS4568: Part 2: 1970

Item No.	Terminal	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
			Inner box	Outer box	
DSG 2120	Terminal	20	10	80	0.24
DSG 2220	Through	20	10	80	0.26
DSG 2320	Tee	20	10	80	0.26
DSG 2420	Intersection	20	10	80	0.28
DSG 2520	Angle	20	10	80	0.30

Circular box malleable (Standard)

BS4568: Part 2: 1970

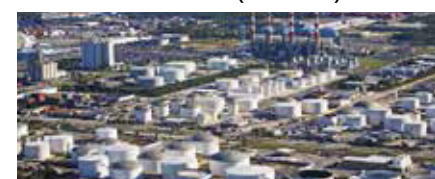
Item No.	Terminal	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
			Inner box	Outer box	
DSG 2125	Terminal	25	10	80	0.26
DSG 2225	Through	25	10	80	0.28
DSG 2325	Tee	25	10	80	0.28
DSG 2425	Intersection	25	10	80	0.30
DSG 2525	Angle	25	10	80	0.32



Indoors (Class 3)



Outdoors (Class 3)



Salt breeze area (Class 4)

Elbow malleable (Normal)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0520	20	15	150	0.14
DSG 0525	25	10	80	0.28

Elbow malleable (Inspection)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0520-C	20	15	150	0.15
DSG 0525-C	25	10	80	0.30

Bend (Normal)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0720	20	10	120	0.15
DSG 0725	25	6	72	0.26

Bend malleable (Inspection)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0720-C	20	10	100	0.19
DSG 0725-C	25	10	80	0.25

Tee malleable (Inspection)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0920-C	20	10	100	0.19
DSG 0925-C	25	10	80	0.25

Circular box cover

Item No.	Standard Pack (Pcs)		Weight (Kg/Pc)
	Inner box	Outer box	
DSG 2620	150	600	0.04

Extension malleable

Item No.	Standard Pack (Pcs)		Weight (Kg/Pc)
	Inner box	Outer box	
DSG 138	12	120	0.21

Saddle (Spacer Bar)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0620	20	200	800	0.025
DSG 0625	25	200	800	0.028
DSG 0632	32	100	400	0.038

Saddle (Distance)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0820	20	100	400	0.066
DSG 0825	25	60	240	0.078
DSG 0832	32	40	160	0.124

Locknut (Heavy Gauge)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0020	20	200	800	0.018
DSG 0025	25	100	400	0.038
DSG 0032	32	100	400	0.047

Locknut (Light gauge)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0420	20	300	1,200	0.009
DSG 0425	25	200	800	0.014
DSG 0432	32	150	600	0.023

Brass male bushing (Long)

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0120	20	100	1,000	0.016
DSG 0125	25	50	500	0.028
DSG 0132	32	25	250	0.044

Brass male bushing (Short)

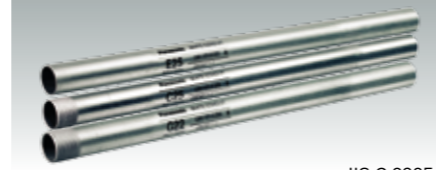
Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0220	20	100	1,000	0.014
DSG 0225	25	50	500	0.020
DSG 0232	32	50	500	0.024

Brass female bushing

Item No.	Size (mm)	Standard Pack (Pcs)		Weight (Kg/Pc)
		Inner box	Outer box	
DSG 0320	20	200	2,000	0.007
DSG 0325	25	150	1,500	0.010
DSG 0332	32	100	1,000	0.011

White Conduit & Conduit Fittings

JIS



JIS C 8305

Plain conduit (Threadless)

Item No.	Size	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DW 819T	E 19	19.1	1.20	3,660	1.94	10	400
DW 825T	E 25	25.4	1.20	3,660	2.62	10	250
DW 831T	E 31	31.8	1.40	3,660	3.84	7	175
DW 839T	E 39	38.1	1.40	3,660	4.64	5	125
DW 851T	E 51	50.8	1.40	3,660	6.24	3	75
DW 863T	E 63	63.5	1.60	3,660	8.94	-	50
DW 875T	E 75	76.2	1.80	3,660	12.09	-	40

Thin wall conduit (Threaded)

JIS C 8305

Item No.	Size	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DW 119T	C 19	19.1	1.60	3,660	2.53	10	400
DW 125T	C 25	25.4	1.60	3,660	3.44	10	250
DW 131T	C 31	31.8	1.60	3,660	4.36	7	175
DW 139T	C 39	38.1	1.60	3,660	5.27	5	125
DW 151T	C 51	50.8	1.60	3,660	7.11	3	75
DW 163T	C 63	63.5	2.00	3,660	11.10	-	50
DW 175T	C 75	76.2	2.00	3,660	13.40	-	40

Thick wall conduit (Threaded) / Hot-Dip Galvanized Outside and Epoxy Resin Inside

JIS C 8305

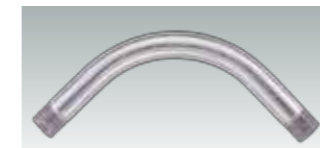
Item No.	Size	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DW 216T	G 16	21.0	2.30	3,660	3.88	10	250
DW 222T	G 22	26.5	2.30	3,660	5.02	10	175
DW 228T	G 28	33.3	2.50	3,660	6.95	7	125
DW 236T	G 36	41.9	2.50	3,660	8.89	5	75
DW 242T	G 42	47.8	2.50	3,660	10.22	3	75
DW 254T	G 54	59.6	2.80	3,660	14.35	-	50
DW 270T	G 70	75.2	2.80	3,660	18.30	-	40
DW 282T	G 82	87.9	2.80	3,660	21.51	-	30
DW 392T	G 92	100.7	3.50	3,660	30.71	-	20
DW 394T	G 104	113.4	3.50	3,660	34.72	-	20

JIS

Thick wall conduit (Threaded) / Hot-Dip Galvanized both Inside and Outside

JIS C 8305

Item No.	Size	Outside Diameter (mm)	Nominal Wall Thickness (mm)	Length (mm)	Nominal Weight (Kg/Pc)	Primary Bundle (Pcs)	Master Bundle (Pcs)
DWZ 216T	G 16	21.0	2.30	3,660	3.88	10	250
DWZ 222T	G 22	26.5	2.30	3,660	5.02	10	175
DWZ 228T	G 28	33.3	2.50	3,660	6.95	7	125
DWZ 236T	G 36	41.9	2.50	3,660	8.89	5	75
DWZ 242T	G 42	47.8	2.50	3,660	10.22	3	75
DWZ 254T	G 54	59.6	2.80	3,660	14.35	-	50
DWZ 270T	G 70	75.2	2.80	3,660	18.30	-	40
DWZ 282T	G 82	87.9	2.80	3,660	21.51	-	30
DWZ 392T	G 92	100.7	3.50	3,660	30.71	-	20
DWZ 394T	G 104	113.4	3.50	3,660	34.72	-	20



JIS C 8330

Normal Bend

Item No.	Size	Standard Pack (Pcs)	Weight (Kg/Pc)
DF1316T	G 16	50	0.24
DF1322T	G 22	50	0.41
DF1328T	G 28	25	0.62
DF1336T	G 36	15	0.95
DF1342T	G 42	10	1.40
DF1354T	G 54	15	2.24
DF1370T	G 70	8	3.83
DF1382T	G 82	8	4.80
DF1392T	G 92	4	8.90
DF1304T	G 104	4	9.80



JIS C 8330

Coupling (Steel)

Item No.	Size	Standard Pack (Pcs)	Weight (Kg/Pc)
DF1116T	G 16	300	0.051
DF1122T	G 22	200	0.086
DF1128T	G 28	200	0.117
DF1136T	G 36	100	0.226
DF1142T	G 42	50	0.230
DF1154T	G 54	50	0.460
DF1170T	G 70	20	0.669
DF1182T	G 82	20	0.889
DF1192T	G 92	10	0.987
DF1104T	G 104	5	1.257

Item No.	Size	Standard Pack (Pcs)	Weight (Kg/Pc)
DF1119T	C 19	100	0.030
DF1125T	C 25	50	0.050
DF1131T	C 31	20	0.070
DF1139T	C 39	20	0.100
DF1151T	C 51	20	0.160
DF1163T	C 63	50	0.260
DF1175T	C 75	50	0.360

Polyethylene-Lining Steel Pipe Corrosion resistant steel pipe for cables

Threaded

Non-Threaded



Suitable for use as either exposed or buried conduit in areas where high corrosion resistance is required

- The excellent adhesion between the steel pipe and polyethylene eliminates separation and cracking when the pipe is bent.
- Main use: Water purification plants for water and sewer systems, areas exposed to chemical damage (chemical plants, etc.), areas exposed to salt damage (coastal facilities, etc.) building rooftops, connecting bridge corridors for schools, etc.

Polyethylene-Lining Steel Pipe

Polyethylene-lining steel pipe (Threaded)

Color of polyethylene outer layer: black

Item No.	Nominal Size	Outside Diameter (mm)	Steel pipe thickness (mm)	Outer coated thickness (mm)	Length (mm)	Nominal weight (Kg/Pc)
DWL 16KT	G 16	22.20	2.30	0.6	3,660	3.88
DWL 22KT	G 22	27.70	2.30	0.6	3,660	5.01
DWL 28KT	G 28	34.50	2.50	0.6	3,660	6.95
DWL 36KT	G 36	43.10	2.50	0.6	3,660	8.89
DWL 42KT	G 42	49.00	2.50	0.6	3,660	10.21
DWL 54KT	G 54	60.80	2.80	0.6	3,660	14.35
DWL 70KT	G 70	76.40	2.80	0.6	3,660	18.30
DWL 82KT	G 82	89.10	2.80	0.6	3,660	21.52
DWL 92KT	G 92	101.90	3.50	0.6	3,660	30.71
DWL 04KT	G 104	114.60	3.50	0.6	3,660	34.70

Polyethylene-lining steel pipe (Non-Threaded)

Color of polyethylene outer layer: black

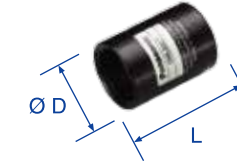
Item No.	Nominal Size	Outside Diameter (mm)	Steel pipe thickness (mm)	Outer coated thickness (mm)	Length (mm)	Nominal weight (Kg/Pc)
DWL 16PT	16	22.20	2.30	0.6	3,670	3.88
DWL 22PT	22	27.70	2.30	0.6	3,670	5.01
DWL 28PT	28	34.50	2.50	0.6	3,670	6.95
DWL 36PT	36	43.10	2.50	0.6	3,670	8.89
DWL 42PT	42	49.00	2.50	0.6	3,670	10.21
DWL 54PT	54	60.80	2.80	0.6	3,675	14.35
DWL 70PT	70	76.40	2.80	0.6	3,675	18.30
DWL 82PT	82	89.10	2.80	0.6	3,675	21.52
DWL 92PT	92	101.90	3.50	0.6	3,675	30.71
DWL 04PT	104	114.60	3.50	0.6	3,675	34.70

Polyethylene-lining steel pipe Fittings

Coupling

- PE Coated

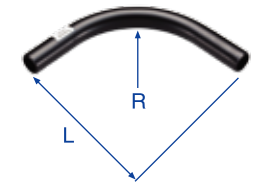
Item No.	Nominal Size	D (mm)	L (mm)	Weight (Kg/Pc)
DWL 16CT	G 16	26.0	39	0.05
DWL 22CT	G 22	32.0	45	0.08
DWL 28CT	G 28	38.5	51	0.11
DWL 36CT	G 36	49.5	57	0.22
DWL 42CT	G 42	55.5	57	0.26
DWL 54CT	G 54	69.0	65	0.45
DWL 70CT	G 70	85.0	73	0.67
DWL 82CT	G 82	98.0	81	0.90
DWL 92CT	G 92	111.5	86	1.19
DWL 04CT	G 104	124.5	91	1.46



Normal bend (Threaded)

- PE Coated

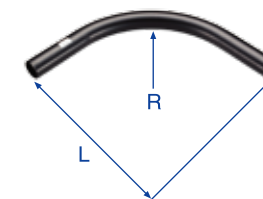
Item No.	Nominal Size	R (mm)	L (mm)	Weight (Kg/Pc)
DWL 16NT	G 16	90	150	0.24
DWL 22NT	G 22	110	180	0.41
DWL 28NT	G 28	140	215	0.62
DWL 36NT	G 36	170	250	0.95
DWL 42NT	G 42	210	295	1.40
DWL 54NT	G 54	235	345	2.24
DWL 70NT	G 70	275	425	3.83
DWL 82NT	G 82	310	510	4.80
DWL 92NT	G 92	355	575	8.90
DWL 04NT	G 104	395	645	9.80



Set screw normal bend

- PE Coated

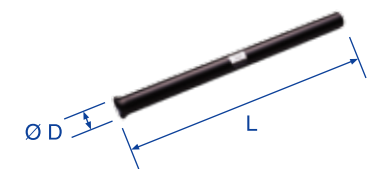
Item No.	Nominal Size	R (mm)	L (mm)	Weight (Kg/Pc)
DWL 316T	16	90	150	0.24
DWL 322T	22	110	180	0.41
DWL 328T	28	140	215	0.62
DWL 336T	36	170	250	0.95
DWL 342T	42	210	295	1.40
DWL 354T	54	235	345	2.24
DWL 370T	70	275	425	3.83
DWL 382T	82	310	510	4.80
DWL 392T	92	355	575	8.90
DWL 304T	104	395	645	9.80



Set screw normal bend big

- PE Coated

Item No.	Nominal Size	R (mm)	L (mm)	Weight (Kg/Pc)
DWL 3361T	36	225	355	1.5
DWL 3421T	42	315	455	2.2
DWL 3541T	54	333	513	3.5
DWL 3701T	70	600	830	7.0
DWL 3821T	82	600	860	8.6
DWL 3921T	92	600	900	12.9
DWL 3041T	104	800	1,140	18.4



Bellmouth pipe

- PE Coated

Item No.	Nominal Size	D (mm)	L (mm)	Weight (Kg/Pc)
DWL 516T	16	28	400	0.44
DWL 522T	22	35	400	0.57
DWL 528T	28	44	400	0.79
DWL 536T	36	56	400	1.00
DWL 542T	42	64	400	1.15
DWL 554T	54	80	400	1.62
DWL 570T	70	95	400	2.00
DWL 582T	82	108	400	2.42
DWL 592T	92	120	400	3.40
DWL 504T	104	134	400	3.90

Stainless Steel Conduit Pipes



**Superior product for special locations -
Less Corrosion Long Life Better Appearance !**

1. High Resistance to Corrosion

Stainless steel (SUS304) construction **ensures against rust** in corrosive areas, such as food processing lines, chemical plants, water treatment plants, seashore plants, etc.

2. Conforming to IMC conduit

Internal diameter and length **conform to IMC requirements**. Can be combined with steel conduit for a more flexible, reliable wiring installation in a variety of applications. Stainless conduit fittings help form a complete, professional wiring system.

3. Long Lifetime

Conduit systems must remain in a good condition wherever they are installed. Stainless steel conduit delivers a long lifetime and **requires little maintenance** especially in high altitude installations.

4. Brilliant Appearance

Stainless steel conduit polished to a bright finish for a superior appearance. This ensures an **attractive appearance** of special importance to food processing lines.



Stainless Steel Conduit Pipe with one coupling on one end

Item No.	Nominal Size (inch)	Outside Diameter (mm)	Wall Thickness (mm)	Length (mm)	Weight (Kg/Pc)	Bundle (Pcs)
DWSM 012	1/2"	21.1	2.1	3,030	3.08	10
DWSM 034	3/4"	26.4	2.1	3,030	3.95	10
DWSM 100	1"	33.6	2.8	3,025	6.56	5
DWSM 114	1-1/4"	42.2	2.8	3,025	8.39	3
DWSM 112	1-1/2"	48.3	2.8	3,025	9.69	3
DWSM 200	2"	60.3	2.8	3,025	12.29	1
DWSM 300	3"	88.9	4.0	3,010	26.23	1
DWSM 400	4"	114.2	4.0	3,005	34.12	1

Stainless Steel Conduit Fittings



Coupling

Item No.	Nominal Size (inch)	Weight (Kg/Pcs)	Inner Packing (Pcs)	Outer Box (Pcs)
DFSM 11012	1/2"	0.053	25	50
DFSM 11034	3/4"	0.068	10	20
DFSM 11100	1"	0.119	10	20
DFSM 11114	1-1/4"	0.151	10	10
DFSM 11112	1-1/2"	0.190	5	5
DFSM 11200	2"	0.281	3	6
DFSM 11300	3"	0.728	5	5
DFSM 11400	4"	1.019	5	5



Normal Bend

Item No.	Nominal Size (inch)	Weight (Kg/Pcs)	Inner Packing (Pcs)	Outer Box (Pcs)
DFSM 13012	1/2"	0.284	1	10
DFSM 13034	3/4"	0.434	1	8
DFSM 13100	1"	0.872	1	6
DFSM 13114	1-1/4"	1.409	1	-
DFSM 13112	1-1/2"	1.860	1	-
DFSM 13200	2"	2.572	1	-
DFSM 13300	3"	7.419	1	-
DFSM 13400	4"	13.945	1	-



Lock Nut

Item No.	Nominal Size (inch)	Weight (Kg/Pcs)	Inner Packing (Pcs)	Outer Box (Pcs)
DFSM 12012	1/2"	0.004	50	-
DFSM 12034	3/4"	0.006	50	-
DFSM 12100	1"	0.013	50	-
DFSM 12114	1-1/4"	0.018	50	-
DFSM 12112	1-1/2"	0.022	30	-
DFSM 12200	2"	0.029	30	-
DFSM 12300	3"	0.063	10	-
DFSM 12400	4"	0.076	10	-



Saddle

Item No.	Nominal Size (inch)	Weight (Kg/Pcs)	Inner Packing (Pcs)	Outer Box (Pcs)
DFSM 16012	1/2"	0.011	25	-
DFSM 16034	3/4"	0.013	25	-
DFSM 16100	1"	0.025	25	-
DFSM 16114	1-1/4"	0.028	25	-
DFSM 16112	1-1/2"	0.045	15	-
DFSM 16200	2"	0.055	5	-
DFSM 16300	3"	0.113	5	-
DFSM 16400	4"	0.140	5	-