



Flexible Electrical Conduit - Small Caliber Solutions -



Kaiphone Technology Co., Ltd.

Flexible Electrical Conduit

| New Brand with Mature Technics |



Company Profile



Chairman General Manager
Mr. Amigo Hsu Mr. Awakee Hsu

- Foundation : Year 1993
- Headquarter : New Taipei City · Taiwan · Asia
- Factories : Guangdong China (Kaiphone Technology Co., Ltd.)
Zhejiang China (Zhejiang Flexible Technology Co., Ltd.)
- Quality System : ISO 9001 : 2015 Certified
- Property : Manufacturer
- Advantage : Kaiphone is one of the minority flexible conduit manufacturers who is certified with both UL & CE in Asia. We provide not only a complete range of standardized products but also diverse and professional customized services for general or specific needs.
- Major Products : Metal flexible conduit and fittings,
Non-metallic flexible conduit and fittings,
OEM / ODM products and so on.
- Certification : UL / CUL / CE / IEC CB / GB / ATEX / WRAS / ACS
- Main Markets : America, Europe, Asia and Middle East....
- Application : Wires & fiber optic cables protection for power, electrical systems, machines, residential / commercial & industrial buildings, ships, public transportation systems, lift & escalator. Gas tube protection. Water tube protection for kitchen & shower room...

[Corporate CI]



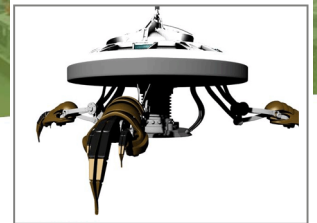
[Trademark]

KAIFLEX®

Vision :

- Short term — Complete product certifications and focus on marketing to organize worldwide sales channel.
- Med term — Found a complete and global supply & sales network with brand KAIFLEX.
- Long term — Cultivate KAIFLEX to be a world-renowned & reliable brand for conduit and fitting solutions.

Electrical Flexible Conduit



Square Lock Type

SUS Square Lock (WP-S1)	6
SUS Square Lock+Jacket (WP-S1P2)	7
SUS Square Lock+Braiding (WP-S1SB/TB)	8
SUS Square Lock+Braiding+Jacket (WP-S1TBP1)	9
SUS Square Lock+Jacket+Braiding (WP-S1P2SB)	10

Interlocked Type

SUS Interlocked (WP-S2)	12
SUS Interlocked+Jacket (WP-S2P1/K1)	13
SUS Interlocked+Braiding (WP-S2SB/TB)	14
SUS Interlocked+Braiding+Jacket (WP-S2TBP1)	15
SUS Interlocked+Jacket+Braiding (WP-S2P1SB)	16

Mono Coil Type

SUS Mono Coil+Braiding (MC1)	18
SUS Mono Coil+Jacket (MC2)	20
SUS Mono Coil+Braiding+Jacket (MC3)	21
SUS Mono Coil+Metal Foil+Braiding (MC4)	22

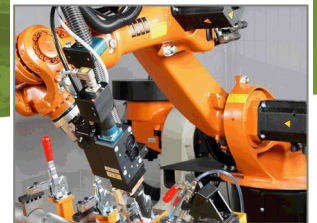
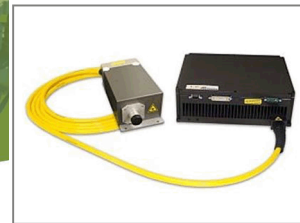
Tungsten Steel High Abrasion Resistance Type (Industrial Endoscope)

SUS Mono Coil+Jacket+Braiding (EC-UWB)	24
SUS Mono Coil+Braiding+Jacket+Braiding (EC-WBUWB)	25

Appendix

Ordering Information Guide	26
IP Rating	28

Square Lock Type



Square Lock Type

■ SUS Square Lock (WP-S1)	
- Stretched Type	6
- Retractable Type	6
■ SUS Square Lock+Jacket (WP-S1P2)	
- PVC Jacket	7
■ SUS Square Lock+Braiding (WP-S1SB/TB)	
- Stainless Steel Braiding	8
- Tinned Copper Braiding	8
■ SUS Square Lock+Braiding+Jacket (WP-S1TBP1)	
- Tinned Copper Braiding+PVC Jacket	9
■ SUS Square Lock+Jacket+Braiding (WP-S1P2SB)	
- PVC Jacket+Stainless Steel Braiding	10



Electrical Flexible Conduit - Square Lock Series is manufactured with stainless steel strip by continuous wound in square lock profile. The size range of this series of flexible tube is ID 3.5~16.1mm. It is featured with excellent flexibility and its miniaturized diameter makes the tube be light and also pressure resistance. That offers benefit for deployment in complex or narrow spaces. The bare electrical flexible conduit can be directly used in a controlled environment. For those locations with splash or higher humidity, electrical flexible conduit with plastic jacket is recommended. That offers not only waterproof but also fire retardant. As for the demand of high abrasion resistance or preventing the interference of microwave or static electricity in the environment (EMC shielding), electrical flexible conduit with metal mesh braiding is the proper one to choose.

Specially applicable for protection of signal wire on tools, automation system or equipment, robot, access control and security system and etc..

Stainless Steel Square Lock

Series Code WP-S1-1

Features Stainless Steel Square Lock · Stretched Type

Product Photo



Product Specification	WP-S1-1						
	Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Scaling Rate (%)	Package/Roll (m)
	P035051S1-1	3.5±0.2	5.1±0.2	≤35	≥35	<2%	200
	P040060S1-1	4.0±0.2	6.0±0.2	≤40	≥50	<2%	200
	P045065S1-1	4.5±0.2	6.5±0.2	≤40	≥50	<2%	200
	P050070S1-1	5.0±0.2	7.0±0.2	≤40	≥50	<2%	150
	P055075S1-1	5.5±0.2	7.5±0.2	≤40	≥50	<2%	150
	P060080S1-1	6.0±0.2	8.0±0.2	≤40	≥50	<2%	150
	P065085S1-1	6.5±0.2	8.5±0.2	≤40	≥50	<2%	100
	P070090S1-1	7.0±0.2	9.0±0.2	≤40	≥60	<2%	100
	P075095S1-1	7.5±0.2	9.5±0.2	≤40	≥60	<2%	100
	P080100S1-1	8.0±0.2	10.0±0.2	≤40	≥65	<2%	100
	P090110S1-1	9.0±0.2	11.0±0.2	≤45	≥70	<2%	100
	P100120S1-1	10.0±0.2	12.0±0.2	≤50	≥80	<2%	100
	P115140S1-1	11.5±0.2	14.0±0.2	≤65	≥80	<2%	50
	P125157S1-1	12.5±0.3	15.7±0.3	≤85	≥80	<2%	50
	P144178S1-1	14.4±0.3	17.8±0.3	≤90	≥90	<2%	50
	P161195S1-1	16.1±0.3	19.5±0.3	≤95	≥120	<2%	50

Temperature Range -40°C~+350°C

IP Rating IP 40

Flexibility High

RoHS Yes

Profile



Note 1, Follow IEC standard, 2~3 joints are allowed in a length of 100M

WP-S1-2

Stainless Steel Square Lock · Retractable Type



Product Specification	WP-S1-2						
	Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Scaling Rate (%)	Package/Roll (m)
	P035051S1-2	3.5±0.2	5.1±0.2	≤35	≥35	>2%	200
	P040060S1-2	4.0±0.2	6.0±0.2	≤40	≥50	>5%	200
	P045065S1-2	4.5±0.2	6.5±0.2	≤40	≥50	>5%	200
	P050070S1-2	5.0±0.2	7.0±0.2	≤40	≥50	>5%	150
	P055075S1-2	5.5±0.2	7.5±0.2	≤40	≥50	>5%	150
	P060080S1-2	6.0±0.2	8.0±0.2	≤40	≥50	>5%	150
	P065085S1-2	6.5±0.2	8.5±0.2	≤40	≥50	>5%	100
	P070090S1-2	7.0±0.2	9.0±0.2	≤40	≥60	>5%	100
	P075095S1-2	7.5±0.2	9.5±0.2	≤40	≥60	>5%	100
	P080100S1-2	8.0±0.2	10.0±0.2	≤40	≥65	>10%	100
	P090110S1-2	9.0±0.2	11.0±0.2	≤45	≥70	>10%	100
	P100120S1-2	10.0±0.2	12.0±0.2	≤50	≥80	>10%	100
	P115140S1-2	11.5±0.2	14.0±0.2	≤65	≥80	>10%	50
	P125157S1-2	12.5±0.3	15.7±0.3	≤85	≥80	>10%	50
	P144178S1-2	14.4±0.3	17.8±0.3	≤90	≥90	>10%	50
	P161195S1-2	16.1±0.3	19.5±0.3	≤95	≥120	>10%	50

-40°C~+350°C

IP 40

High

Yes



1, Follow IEC standard, 2~3 joints are allowed in a length of 100M

Stainless Steel Square Lock + Jacket

Series Code WP-S1P2

Features Stainless Steel Square Lock · PVC Jacket

Product Photo



Product Specification	Part Number	ID (mm)	OD w/Jacket (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
	P035060S1P2	3.5±0.2	6.0±0.25	≤45	≥35	200
	P040070S1P2	4.0±0.2	7.0±0.25	≤50	≥50	200
	P045080S1P2	4.5±0.2	8.0±0.25	≤50	≥50	200
	P050078S1P2	5.0±0.2	7.8±0.25	≤50	≥50	150
	P055085S1P2	5.5±0.2	8.5±0.25	≤50	≥50	150
	P060090S1P2	6.0±0.2	9.0±0.25	≤50	≥50	150
	P065095S1P2	6.5±0.2	9.5±0.25	≤50	≥50	100
	P070100S1P2	7.0±0.2	10.0±0.25	≤50	≥60	100
	P075105S1P2	7.5±0.2	10.5±0.25	≤50	≥60	100
	P080110S1P2	8.0±0.2	11.0±0.25	≤50	≥65	100
	P090120S1P2	9.0±0.2	12.0±0.25	≤55	≥70	100
	P100130S1P2	10.0±0.2	13.0±0.25	≤60	≥80	100
	P115152S1P2	11.5±0.2	15.2±0.25	≤75	≥80	50
	P125166S1P2	12.5±0.3	16.6±0.35	≤95	≥80	50
	P144188S1P2	14.4±0.3	18.8±0.35	≤100	≥90	50
	P161205S1P2	16.1±0.3	20.5±0.35	≤105	≥120	50

Temperature Range -20°C~+80°C, -40°C~+105°C

IP Rating IP 66

Jacket Color Black/Grey (Standard), other colors are available by consult.

Flexibility High

Fire Retardant Self-extinguishing

UV Resistance By ordering

RoHS Yes

Profile



Note 1. Follow IEC standard, 2~3 joints are allowed in a length of 100M

Stainless Steel Square Lock + Braiding

Series Code WP-S1SB

Features Stainless Steel Square Lock · Stainless Steel Braiding

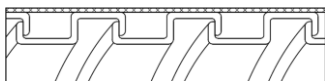
Product Photo



Product Specification	WP-S1SB					
	Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
	P035060S1SB	3.5±0.2	6.0±0.25	≤45	≥35	200
	P040070S1SB	4.0±0.2	7.0±0.25	≤50	≥50	200
	P045075S1SB	4.5±0.2	7.5±0.25	≤50	≥50	200
	P050080S1SB	5.0±0.2	8.0±0.25	≤50	≥50	150
	P055085S1SB	5.5±0.2	8.5±0.25	≤50	≥50	150
	P060090S1SB	6.0±0.2	9.0±0.25	≤50	≥50	150
	P065095S1SB	6.5±0.2	9.5±0.25	≤50	≥50	100
	P070100S1SB	7.0±0.2	10.0±0.25	≤50	≥60	100
	P075105S1SB	7.5±0.2	10.5±0.25	≤50	≥60	100
	P080110S1SB	8.0±0.2	11.0±0.25	≤50	≥65	100
	P090120S1SB	9.0±0.2	12.0±0.25	≤55	≥70	100
	P100130S1SB	10.0±0.2	13.0±0.25	≤60	≥80	100
	P115153S1SB	11.5±0.2	15.3±0.25	≤75	≥80	50
	P125170S1SB	12.5±0.3	17.0±0.35	≤95	≥80	50
	P144191S1SB	14.4±0.3	19.1±0.35	≤100	≥90	50
	P161208S1SB	16.1±0.3	20.8±0.35	≤105	≥120	50

Temperature Range -40°C~+350°C
IP Rating IP 40
Flexibility Medium
EMC Shielding Standard
RoHS Yes

Profile



Note 1. Follow IEC standard, 2~3 joints are allowed in a length of 100M

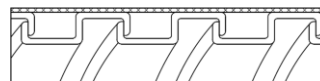
Series Code WP-S1TB

Features Stainless Steel Square Lock · Tinned Copper Braiding



Product Specification	WP-S1TB					
	Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
	P035060S1TB	3.5±0.2	6.0±0.25	≤45	≥35	200
	P040070S1TB	4.0±0.2	7.0±0.25	≤50	≥50	200
	P045075S1TB	4.5±0.2	7.5±0.25	≤50	≥50	200
	P050080S1TB	5.0±0.2	8.0±0.25	≤50	≥50	150
	P055085S1TB	5.5±0.2	8.5±0.25	≤50	≥50	150
	P060090S1TB	6.0±0.2	9.0±0.25	≤50	≥50	150
	P065095S1TB	6.5±0.2	9.5±0.25	≤50	≥50	100
	P070100S1TB	7.0±0.2	10.0±0.25	≤50	≥60	100
	P075105S1TB	7.5±0.2	10.5±0.25	≤50	≥60	100
	P080110S1TB	8.0±0.2	11.0±0.25	≤50	≥65	100
	P090120S1TB	9.0±0.2	12.0±0.25	≤55	≥70	100
	P100130S1TB	10.0±0.2	13.0±0.25	≤60	≥80	100
	P115153S1TB	11.5±0.2	15.3±0.25	≤75	≥80	50
	P125170S1TB	12.5±0.3	17.0±0.35	≤95	≥80	50
	P144191S1TB	14.4±0.3	19.1±0.35	≤100	≥90	50
	P161208S1TB	16.1±0.3	20.8±0.35	≤105	≥120	50

Temperature Range -40°C~+350°C
IP Rating IP 40
Flexibility Medium
EMC Shielding High
RoHS Yes



Note 1. Follow IEC standard, 2~3 joints are allowed in a length of 100M

Stainless Steel Square Lock + Braiding + Jacket

Series Code **WP-S1TBP1**

Features **SUS Square Lock · Tinned Copper Braiding · PVC Jacket**

Product Photo



Product Specification

Part Number	ID (mm)	OD w/Jacket (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
P035070S1TBP1	3.5±0.2	7.0±0.3	≤55	≥35	200
P040080S1TBP1	4.0±0.2	8.0±0.3	≤60	≥50	200
P045085S1TBP1	4.5±0.2	8.5±0.3	≤60	≥50	200
P050095S1TBP1	5.0±0.2	9.5±0.3	≤60	≥50	150
P055100S1TBP1	5.5±0.2	10.0±0.3	≤60	≥50	150
P060105S1TBP1	6.0±0.2	10.5±0.3	≤60	≥50	150
P065110S1TBP1	6.5±0.2	11.0±0.3	≤60	≥50	100
P070120S1TBP1	7.0±0.2	12.0±0.3	≤60	≥60	100
P075125S1TBP1	7.5±0.2	12.5±0.3	≤60	≥60	100
P080130S1TBP1	8.0±0.2	13.0±0.3	≤60	≥65	100
P090140S1TBP1	9.0±0.2	14.0±0.3	≤65	≥70	100
P100150S1TBP1	10.0±0.2	15.0±0.3	≤70	≥80	100
P115178S1TBP1	11.5±0.2	17.8±0.3	≤85	≥80	50
P125195S1TBP1	12.5±0.3	19.5±0.4	≤105	≥80	50
P144216S1TBP1	14.4±0.3	21.6±0.4	≤110	≥90	50
P161228S1TBP1	16.1±0.3	22.8±0.4	≤115	≥120	50

Temperature Range

-20°C~+80°C , -40°C~+105°C

IP Rating

IP 66

Jacket Color

Black/Grey (Standard), other colors are available by consult.

Flexibility

Medium

Fire Retardant

Self-extinguishing

UV Resistance

By ordering

EMC Shielding

High

RoHS

Yes

Profile



Note

1、Follow IEC standard, 2~3 joints are allowed in a length of 100M

Stainless Steel Square Lock + Jacket + Braiding

Series Code WP-S1P2SB

Features SUS Square Lock · PVC Jacket · Stainless Steel Braiding

Product Photo



Product Specification						
	Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
	P035070S1P2SB	3.5±0.2	7.0±0.3	≤55	≥35	200
	P040080S1P2SB	4.0±0.2	8.0±0.3	≤60	≥50	200
	P045090S1P2SB	4.5±0.2	9.0±0.3	≤60	≥50	200
	P050088S1P2SB	5.0±0.2	8.8±0.3	≤55	≥50	150
	P055095S1P2SB	5.5±0.2	9.5±0.3	≤55	≥50	150
	P060100S1P2SB	6.0±0.2	10.0±0.3	≤55	≥50	150
	P065105S1P2SB	6.5±0.2	10.5±0.3	≤55	≥50	100
	P070110S1P2SB	7.0±0.2	11.0±0.3	≤55	≥60	100
	P075115S1P2SB	7.5±0.2	11.5±0.3	≤55	≥60	100
	P080120S1P2SB	8.0±0.2	12.0±0.3	≤55	≥65	100
	P090130S1P2SB	9.0±0.2	13.0±0.3	≤60	≥70	100
	P100140S1P2SB	10.0±0.2	14.0±0.3	≤65	≥80	100
	P115165S1P2SB	11.5±0.2	16.5±0.3	≤80	≥80	50
	P125179S1P2SB	12.5±0.3	17.9±0.4	≤100	≥80	50
	P144201S1P2SB	14.4±0.3	20.1±0.4	≤105	≥90	50
	P161218S1P2SB	16.1±0.3	21.8±0.4	≤110	≥120	50

Temperature Range -20°C~+80°C , -40°C~+105°C

IP Rating IP 66

Jacket Color Black/Grey (Standard), other colors are available by consult.

Flexibility Medium

Fire Retardant Self-extinguishing

UV Resistance By ordering

EMC Shielding Standard

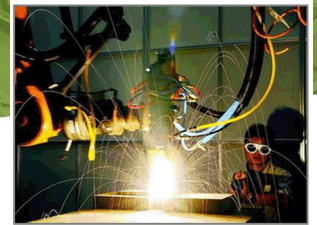
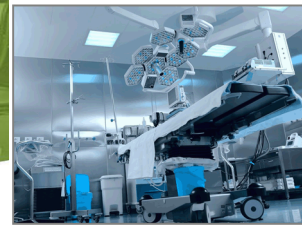
RoHS Yes

Profile



Note 1、 Follow IEC standard, 2~3 joints are allowed in a length of 100M

Interlocked Type



Interlocked Type

■ SUS Interlocked (WP-S2)	
- Retractable Type	12
■ SUS Interlocked+Jacket (WP-S2P1/K1)	
- PVC Jacket	13
■ SUS Interlocked+Braiding (WP-S2SB/TB)	
- Stainless Steel Braiding	14
- Tinner Copper Braiding	14
■ SUS Interlocked+Braiding+Jacket (WP-S2TBP1)	
- Tinner Copper Braiding+PVC Jacket	15
■ SUS Interlocked+Jacket+Braiding (WP-S2P1SB)	
- PVC Jacket+Stainless Steel Braiding	16



Electrical Flexible Conduit – Interlocked Series is manufactured with stainless steel strip by continuous wound in interlock profile. The size range of this series of flexible tube is ID 4.0~16.1mm. It is featured with excellent flexibility and higher tensile resistance. Its miniaturized diameter makes the tube be light and also pressure resistance. That offers benefit to protect wires on constant moving part and in complex or narrow spaces. The bare electrical flexible conduit can be directly used in a controlled environment. For those locations with splash or higher humidity, electrical flexible conduit with plastic jacket is recommended. That offers not only waterproof but also fire retardant. As for the demand of high abrasion resistance or preventing the interference of microwave or static electricity in the environment (EMC shielding), electrical flexible conduit with metal mesh braiding is the proper one to choose.

Specially applicable for protection of signal wire on machine tools, automation system or equipment, robot, access control and security system and etc..

Stainless Steel Interlocked

Series Code WP-S2

Features Stainless Steel Interlocked · Retractable Type

Product Photo



Product Specification	Product Specification					
	Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Scaling Rate (%)
	P040060S2	4.0±0.2	6.0±0.2	≤40	≥100	< 10%
	P046066S2	4.6±0.2	6.6±0.2	≤45	≥100	< 10%
	P050070S2	5.0±0.2	7.0±0.2	≤45	≥100	< 10%
	P054078S2	5.4±0.2	7.8±0.2	≤47	≥120	< 10%
	P059084S2	5.9±0.2	8.4±0.2	≤47	≥120	< 10%
	P062082S2	6.2±0.2	8.2±0.2	≤47	≥100	< 10%
	P066090S2	6.6±0.2	9.0±0.2	≤50	≥120	< 10%
	P070095S2	7.0±0.2	9.5±0.2	≤60	≥120	< 10%
	P080105S2	8.0±0.2	10.5±0.2	≤65	≥120	< 10%
	P095125S2	9.5±0.2	12.5±0.2	≤65	≥140	< 10%
	P125157S2	12.5±0.3	15.7±0.3	≤85	≥140	< 10%
	P145170S2	14.5±0.3	17.0±0.3	≤90	≥140	< 10%
	P150180S2	15.0±0.3	18.0±0.3	≤100	≥180	< 10%
	P161195S2	16.1±0.3	19.5±0.3	≤110	≥200	< 10%

Temperature Range -40°C~+350°C

IP Rating IP 40

Flexibility High

RoHS Yes

Profile



Note 1、 Follow IEC standard, 2~3 joints are allowed in a length of 100M

Stainless Steel Interlocked + Jacket

Series Code **WP-S2P1**

Features Stainless Steel Interlocked · PVC Jacket

Product Photo



Product Specification	Part Number	ID (mm)	OD w/Jacket (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
	P040070S2P1	4.0±0.2	7.0±0.25	≤45	≥100	200
	P046076S2P1	4.6±0.2	7.6±0.25	≤50	≥100	200
	P050080S2P1	5.0±0.2	8.0±0.25	≤50	≥100	200
	P054088S2P1	5.4±0.2	8.8±0.25	≤52	≥120	100
	P059094S2P1	5.9±0.2	9.4±0.25	≤57	≥120	100
	P062092S2P1	6.2±0.2	9.2±0.25	≤57	≥100	100
	P066100S2P1	6.6±0.2	10.0±0.25	≤55	≥120	100
	P070105S2P1	7.0±0.2	10.5±0.25	≤65	≥120	100
	P080125S2P1	8.0±0.2	12.5±0.25	≤75	≥120	100
	P095145S2P1	9.5±0.2	14.5±0.25	≤75	≥140	100
	P125177S2P1	12.5±0.3	17.7±0.35	≤95	≥140	50
	P145195S2P1	14.5±0.3	19.5±0.35	≤100	≥140	50
	P150205S2P1	15.0±0.3	20.5±0.35	≤110	≥180	50
	P161213S2P1	16.1±0.3	21.3±0.35	≤120	≥200	50

Temperature Range -20°C~+80°C, -40°C~+105°C
IP Rating IP 66
Jacket Color Black/Grey (Standard), other colors are available by consult.
Flexibility High
Fire Retardant Self-extinguishing
UV Resistance By ordering
RoHS Yes

Profile



Note 1、Follow IEC standard, 2~3 joints are allowed in a length of 100M

WP-S2K1

Stainless Steel Interlocked · Explosion Proof Jacket



Part Number	ID (mm)	OD w/Jacket (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
P040070S2K1	4.0±0.2	7.0±0.25	≤45	≥100	200
P046080S2K1	4.6±0.2	8.0±0.25	≤50	≥100	200
P050080S2K1	5.0±0.2	8.0±0.25	≤50	≥100	200
P054095S2K1	5.4±0.2	9.5±0.25	≤52	≥120	100
P059100S2K1	5.9±0.2	10.0±0.25	≤57	≥120	100
-	-	-	-	-	-
P066100S2K1	6.6±0.2	10.0±0.25	≤55	≥120	100
-	-	-	-	-	-
-	-	-	-	-	-
P095150S2K1	9.5±0.2	15.0±0.25	≤75	≥140	100
P100150S2K1	10.0±0.2	15.0±0.25	≤75	≥140	100
P125177S2K1	12.5±0.3	17.7±0.25	≤95	≥140	50
-	-	-	-	-	-
P161213S2K1	16.1±0.3	21.3±0.35	≤120	≥200	50

-20°C~+80°C, -40°C~+105°C
 IP 66
 Black/White (Standard), other colors are available by consult.
 High
 Self-extinguishing
 By ordering
 Yes



1、Follow IEC standard, 2~3 joints are allowed in a length of 100M

Stainless Steel Interlocked + Braiding

Series Code WP-S2SB

Features Stainless Steel Interlocked · Stainless Steel Braiding

Product Photo



Product Specification	WP-S2SB					
	Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
	P040070S2SB	4.0±0.2	7.0±0.25	≤45	≥100	200
	P046076S2SB	4.6±0.2	7.6±0.25	≤50	≥100	200
	P050080S2SB	5.0±0.2	8.0±0.25	≤50	≥100	200
	P054088S2SB	5.4±0.2	8.8±0.25	≤52	≥120	100
	P059094S2SB	5.9±0.2	9.4±0.25	≤57	≥120	100
	P062092S2SB	6.2±0.2	9.2±0.25	≤57	≥100	100
	P066100S2SB	6.6±0.2	10.0±0.25	≤55	≥120	100
	P070105S2SB	7.0±0.2	10.5±0.25	≤65	≥120	100
	P080115S2SB	8.0±0.2	11.5±0.25	≤75	≥120	100
	P095135S2SB	9.5±0.2	13.5±0.25	≤75	≥140	100
	P125160S2SB	12.5±0.3	16.0±0.35	≤95	≥140	50
	P145183S2SB	14.5±0.3	18.3±0.35	≤100	≥140	50
	P150193S2SB	15.0±0.3	19.3±0.35	≤110	≥180	50
	P161208S2SB	16.1±0.3	20.8±0.35	≤120	≥200	50

Temperature Range -40°C~+350°C
IP Rating IP 40
Flexibility Medium
EMC Shielding Standard
RoHS Yes

Profile



Note 1、Follow IEC standard, 2~3 joints are allowed in a length of 100M

Series Code WP-S2TB

Features Stainless Steel Interlocked · Tinned Copper Braiding



Product Specification	WP-S2TB					
	Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
	P040070S2TB	4.0±0.2	7.0±0.25	≤45	≥100	200
	P046076S2TB	4.6±0.2	7.6±0.25	≤50	≥100	200
	P050080S2TB	5.0±0.2	8.0±0.25	≤50	≥100	200
	P054088S2TB	5.4±0.2	8.8±0.25	≤52	≥120	100
	P059094S2TB	5.9±0.2	9.4±0.25	≤57	≥120	100
	P062092S2TB	6.2±0.2	9.2±0.25	≤57	≥100	100
	P066100S2TB	6.6±0.2	10.0±0.25	≤55	≥120	100
	P070105S2TB	7.0±0.2	10.5±0.25	≤65	≥120	100
	P080115S2TB	8.0±0.2	11.5±0.25	≤75	≥120	100
	P095135S2TB	9.5±0.2	13.5±0.25	≤75	≥140	100
	P125160S2TB	12.5±0.3	16.0±0.35	≤95	≥140	50
	P145183S2TB	14.5±0.3	18.3±0.35	≤100	≥140	50
	P150193S2TB	15.0±0.3	19.3±0.35	≤110	≥180	50
	P161208S2TB	16.1±0.3	20.8±0.35	≤120	≥200	50

Temperature Range -40°C~+350°C
IP Rating IP 40
Flexibility Medium
EMC Shielding High
RoHS Yes



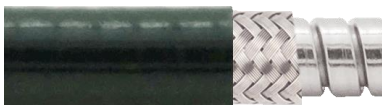
Note 1、Follow IEC standard, 2~3 joints are allowed in a length of 100M

Stainless Steel Interlocked + Braiding + Jacket

Series Code WP-S2TBP1

Features SUS Interlocked · Tinned Copper Braiding · PVC Jacket

Product Photo



Product Specification

Part Number	ID (mm)	OD w/Jacket (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
P040080S2TBP1	4.0±0.2	8.0±0.3	≤50	≥100	200
P046086S2TBP1	4.6±0.2	8.6±0.3	≤55	≥100	200
P050090S2TBP1	5.0±0.2	9.0±0.3	≤55	≥100	200
P054098S2TBP1	5.4±0.2	9.8±0.3	≤57	≥120	100
P059104S2TBP1	5.9±0.2	10.4±0.3	≤62	≥120	100
P062102S2TBP1	6.2±0.2	10.2±0.3	≤62	≥100	100
P066110S2TBP1	6.6±0.2	11.0±0.3	≤60	≥120	100
P070115S2TBP1	7.0±0.2	11.5±0.3	≤70	≥120	100
P080125S2TBP1	8.0±0.2	12.5±0.3	≤80	≥120	100
P095150S2TBP1	9.5±0.2	15.0±0.3	≤80	≥140	100
P125180S2TBP1	12.5±0.3	18.0±0.4	≤100	≥140	50
P145203S2TBP1	14.5±0.3	20.3±0.4	≤105	≥140	50
P150213S2TBP1	15.0±0.3	21.3±0.4	≤115	≥180	50
P161228S2TBP1	16.1±0.3	22.8±0.4	≤125	≥200	50

Temperature Range

-20°C~+80°C , -40°C~+105°C

IP Rating

IP 66

Jacket Color

Black/Grey (Standard), other colors are available by consult.

Flexibility

Medium

Fire Retardant

Self-extinguishing

UV Resistance

By ordering

EMC Shielding

High

RoHS

Yes

Profile



Note

1、Follow IEC standard, 2~3 joints are allowed in a length of 100M

Stainless Steel Interlocked + Jacket + Braiding

Series Code WP-S2P1SB

Features SUS Interlocked · PVC Jacket · Stainless Steel Braiding

Product Photo



Product Specification	Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Tensile Resistance (kg)	Package/Roll (m)
	P040080S2P1SB	4.0±0.2	8.0±0.3	≤50	≥100	200
	P046086S2P1SB	4.6±0.2	8.6±0.3	≤55	≥100	200
	P050090S2P1SB	5.0±0.2	9.0±0.3	≤55	≥100	200
	P054098S2P1SB	5.4±0.2	9.8±0.3	≤57	≥120	100
	P059104S2P1SB	5.9±0.2	10.4±0.3	≤62	≥120	100
	P062102S2P1SB	6.2±0.2	10.2±0.3	≤62	≥100	100
	P066110S2P1SB	6.6±0.2	11.0±0.3	≤60	≥120	100
	P070115S2P1SB	7.0±0.2	11.5±0.3	≤70	≥120	100
	P080135S2P1SB	8.0±0.2	13.5±0.3	≤80	≥120	100
	P095155S2P1SB	9.5±0.2	15.5±0.3	≤80	≥140	100
	P125190S2P1SB	12.5±0.3	19.0±0.4	≤100	≥140	50
	P145208S2P1SB	14.5±0.3	20.8±0.4	≤105	≥140	50
	P150218S2P1SB	15.0±0.3	21.8±0.4	≤115	≥180	50
	P161226S2P1SB	16.1±0.3	22.6±0.4	≤125	≥200	50

Temperature Range -20°C~+80°C , -40°C~+105°C

IP Rating IP 66

Jacket Color Black/Grey (Standard), other colors are available by consult.

Flexibility Medium

Fire Retardant Self-extinguishing

UV Resistance By ordering

EMC Shielding Standard

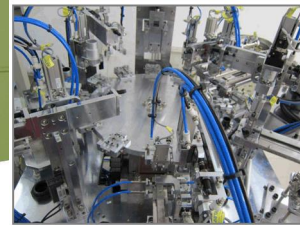
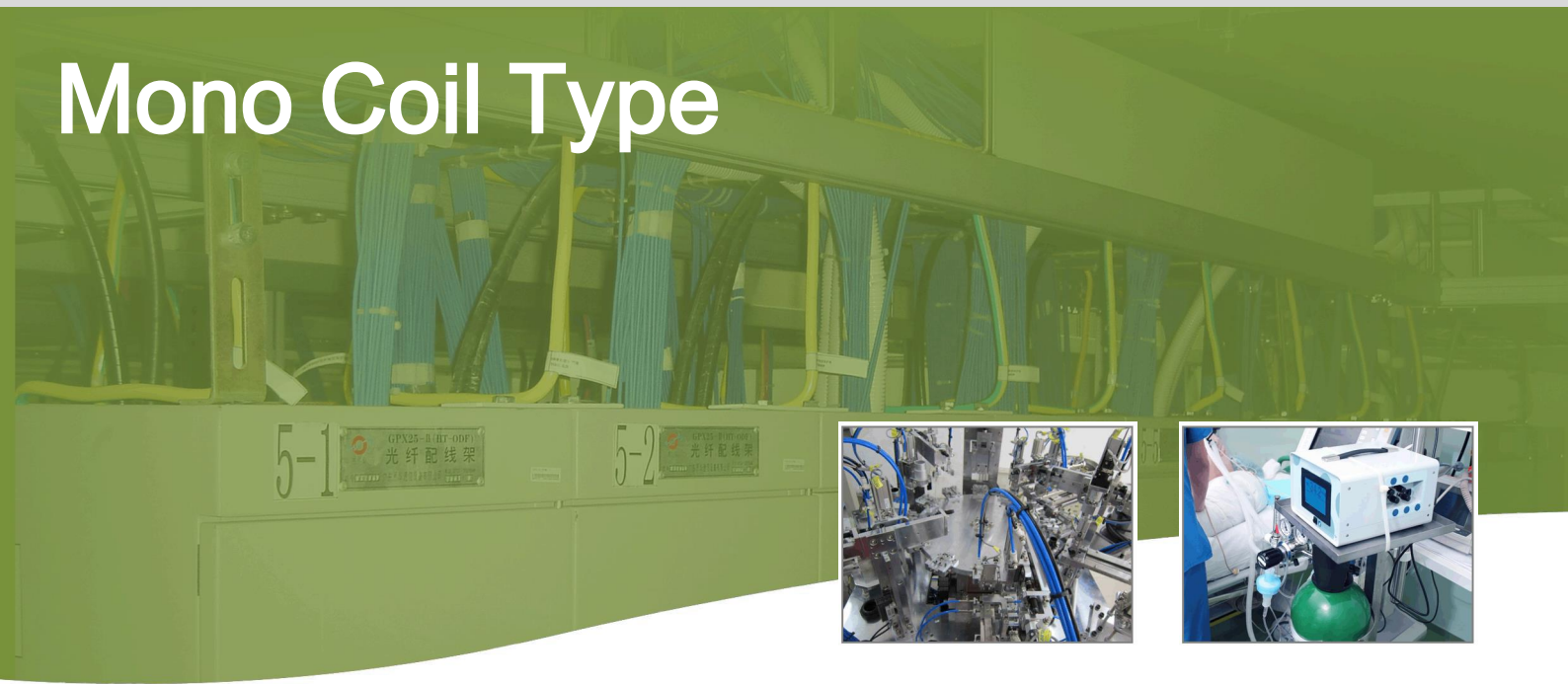
RoHS Yes

Profile



Note 1、Follow IEC standard, 2~3 joints are allowed in a length of 100M

Mono Coil Type



Mono Coil Type

■ SUS Mono Coil+Braiding (MC1)	
- Stainless Steel Braiding	18
- Stainless Steel Braiding (Higher Rigidity)	18
- Tinned Copper Braiding	19
- Tinned Copper Braiding (Higher Rigidity)	19
■ SUS Mono Coil+Jacket (MC2)	
- PVC Jacket	20
- PVC Jacket (Higher Rigidity)	20
■ SUS Mono Coil+Braiding+Jacket (MC3)	
- Stainless Steel Braiding+PVC Jacket	21
- Tinned Copper Braiding+PVC Jacket	21
■ SUS Mono Coil+Metal Foil+Braiding (MC4)	
- Aluminum Foil+Stainless Steel Braiding	22
- Copper Foil+Tinned Copper Braiding	22



Electrical Flexible Conduit, Mono Coil Type is manufactured with stainless steel strip or stainless steel wire by continuous wound in mono coil profile. The conduit sizes is ID 0.6~7mm. The feature of this series product are included smaller-caliber, lighter weight, higher bending resistance, superior flexibility and insulating. In addition, we also offer water proof, braiding and EMC shielding solution for different applications.

Applications: Extensively applied for the optical measuring instrument, medical instruments, industrial endoscope, optical communication network system, automated system and equipment, robots, light guide tube and etc.

Stainless Steel Mono Coil + Braiding

Series Code MC1-K-SB

Features Stainless Steel Mono Coil · Stainless Steel Braiding

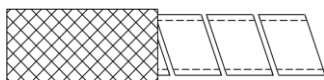
Product Photo



Product Specification	Part Number	ID (mm)	OD w/Braiding (mm)	Weight (g/m)	Package/Roll (m)
	MC1-K006012-SSB	0.6±0.1	1.2±0.1	7.5	500
	MC1-K008015-SSB	0.8±0.1	1.5±0.1	8.5	500
	MC1-K010020-SSB	1.0±0.1	2.0±0.1	9.5	500
	MC1-K015025-SSB	1.5±0.1	2.5±0.1	14	500
	MC1-K018027-SSB	1.8±0.1	2.7±0.1	19	500
	MC1-K022032-SSB	2.2±0.1	3.2±0.1	21	500
	MC1-K030042-SSB	3.0±0.1	4.2±0.1	32	500
	MC1-K035048-SSB	3.5±0.2	4.8±0.2	43	200
	MC1-K040050-SSB	4.0±0.2	5.0±0.2	46	200
	MC1-K045055-SSB	4.5±0.2	5.5±0.2	52	200
	MC1-K050062-SSB	5.0±0.2	6.2±0.2	58	200

Temperature Range -40°C~+350°C
IP Rating IP 40
Flexibility High
Tensile Resistance High
EMC Shielding Standard
RoHS Yes

Profile



Note

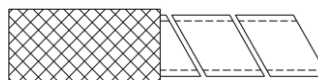
MC1-J-SB

Stainless Steel Mono Coil (Higher Rigidity) · Stainless Steel Braiding



Part Number	ID (mm)	OD w/Braiding (mm)	Weight (g/m)	Package/Roll (m)
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
MC1-J017024-SSB	1.7±0.2	2.4±0.2	8	100
MC1-J021029-SSB	2.1±0.2	2.9±0.2	15	100
MC1-J028036-SSB	2.8±0.2	3.6±0.2	23	100
MC1-J032040-SSB	3.2±0.2	4.0±0.2	23	100
MC1-J040050-SSB	4.0±0.2	5.0±0.2	28	100
-	-	-	-	-
-	-	-	-	-

-40°C~+350°C
 IP 40
 High
 High
 Standard
 Yes



Stainless Steel Mono Coil + Braiding

Series Code MC1-K-TB

Features Stainless Steel Mono Coil · Tinned Copper Braiding

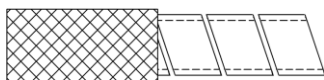
Product Photo



Product Specification	Part Number	ID (mm)	OD w/Braiding (mm)	Weight (g/m)	Package/Roll (m)
	MC1-K006012-STB	0.6±0.1	1.2±0.1	7.5	500
	MC1-K008015-STB	0.8±0.1	1.5±0.1	8.5	500
	MC1-K010019-STB	1.0±0.1	1.9±0.1	9.5	500
	MC1-K015024-STB	1.5±0.1	2.4±0.1	14	500
	MC1-K018027-STB	1.8±0.1	2.7±0.1	19	500
	MC1-K022032-STB	2.2±0.1	3.2±0.1	21	500
	MC1-K030042-STB	3.0±0.1	4.2±0.1	32	500
	MC1-K035048-STB	3.5±0.2	4.8±0.2	43	200
	MC1-K040050-STB	4.0±0.2	5.0±0.2	46	200
	MC1-K045055-STB	4.5±0.2	5.5±0.2	52	200
	MC1-K050062-STB	5.0±0.2	6.2±0.2	58	200

Temperature Range -40°C~+350°C
IP Rating IP 40
Flexibility High
Tensile Resistance High
EMC Shielding High
RoHS Yes

Profile



Note

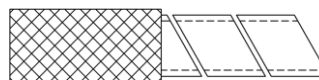
Series Code MC1-J-TB

Features Stainless Steel Mono Coil (Higher Rigidity) · Tinned Copper Braiding



Part Number	ID (mm)	OD w/Braiding (mm)	Weight (g/m)	Package/Roll (m)
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
MC1-J017024-STB	1.7±0.2	2.4±0.2	8	100
MC1-J021029-STB	2.1±0.2	2.9±0.2	15	100
MC1-J028036-STB	2.8±0.2	3.6±0.2	23	100
MC1-J032040-STB	3.2±0.2	4.0±0.2	23	100
MC1-J040050-STB	4.0±0.2	5.0±0.2	28	100
-	-	-	-	-
-	-	-	-	-

-40°C~+350°C
 IP 40
 High
 High
 High
 Yes



Stainless Steel Mono Coil + Jacket

Series Code MC2-K-P

Features Stainless Steel Mono Coil · PVC Jacket

Product Photo



Product Specification

Part Number	ID (mm)	OD w/Jacket (mm)	Weight (g/m)	Package/Roll (m)
MC2-K006020-SPB	0.6±0.1	2.0±0.1	8.9	500
MC2-K008020-SPB	0.8±0.1	2.0±0.1	9.1	500
MC2-K011030-SPB	1.0±0.1	3.0±0.1	14.9	500
MC2-K015033-SPB	1.5±0.1	3.3±0.1	18.9	500
MC2-K018040-SPB	1.8±0.1	4.0±0.1	27.5	500
MC2-K022040-SPB	2.2±0.1	4.0±0.1	37.9	500
MC2-K030050-SPB	3.0±0.1	5.0±0.1	37.9	500
MC2-K035060-SPB	3.5±0.2	6.0±0.2	55.3	200
MC2-K040060-SPB	4.0±0.2	6.0±0.2	55	200
MC2-K045070-SPB	4.5±0.2	7.0±0.2	68.8	200
MC2-K050070-SPB	5.0±0.2	7.0±0.2	66.7	200
-	-	-	-	-

Temperature Range

-20°C~+80°C, -40°C~+105°C

IP Rating

IP 66

Jacket Color

Grey/Red/Blue/Black (Standard), other colors are available by consult.

Flexibility

High

RoHS

Yes

Profile



Note

MC2-J-P

Stainless Steel Mono Coil (Higher Rigidity) · PVC Jacket



Part Number	ID (mm)	OD w/Jacket (mm)	Weight (g/m)	Package/Roll (m)
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
MC2-J017029-SPB	1.7±0.2	2.9±0.2	8	100
MC2-J022032-SPB	2.2±0.2	3.2±0.2	14	100
MC2-J028040-SPB	2.8±0.2	4.0±0.2	19	100
-	-	-	-	-
MC2-J040050-SPB	4.0±0.2	5.0±0.2	22	100
-	-	-	-	-
MC2-J050065-SPB	5.0±0.2	6.5±0.2	37	100
MC2-J070085-SPB	7.0±0.2	8.5±0.2	50	100

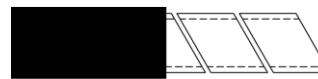
-20°C~+80°C, -40°C~+105°C

IP 66

Grey/Red/Blue/Black (Standard), other colors are available by consult.

High

Yes



Stainless Steel Mono Coil + Braiding + Jacket

KAIFLEX®

Series Code MC3-K-SBP

Features Stainless Steel Mono Coil · Stainless Steel Braiding · PVC Jacket

Product Photo



Series Code MC3-K-TBP

Features Stainless Steel Mono Coil · Tinned Copper Braiding · PVC Jacket



Product Specification

Part Number	ID (mm)	OD w/Jacket (mm)	Weight (g/m)	Package/Roll (m)
MC3-K006020-SSBPG	0.6±0.1	2.0±0.1	11	500
MC3-K008030-SSBPG	0.8±0.1	3.0±0.1	15	500
MC3-K010030-SSBPG	1.0±0.1	3.0±0.1	17	500
MC3-K015035-SSBPG	1.5±0.1	3.5±0.1	22	500
MC3-K018040-SSBPG	1.8±0.1	4.0±0.1	30	500
MC3-K022050-SSBPG	2.2±0.1	5.0±0.1	33	500
MC3-K030060-SSBPG	3.0±0.1	6.0±0.1	41	500
MC3-K035065-SSBPG	3.5±0.2	6.5±0.2	56	200
MC3-K040070-SSBPG	4.0±0.2	7.0±0.2	62	200
MC3-K045075-SSBPG	4.5±0.2	7.5±0.2	80	200
MC3-K050080-SSBPG	5.0±0.2	8.0±0.2	85	200

Part Number	ID (mm)	OD w/Jacket (mm)	Weight (g/m)	Package/Roll (m)
MC3-K006020-STBPU	0.6±0.1	2.0±0.1	11	500
MC3-K008030-STBPU	0.8±0.1	3.0±0.1	15	500
MC3-K010030-STBPU	1.0±0.1	3.0±0.1	17	500
MC3-K015035-STBPU	1.5±0.1	3.5±0.1	22	500
MC3-K018040-STBPU	1.8±0.1	4.0±0.1	30	500
MC3-K022050-STBPU	2.2±0.1	5.0±0.1	33	500
MC3-K030060-STBPU	3.0±0.1	6.0±0.1	41	500
MC3-K035065-STBPU	3.5±0.2	6.5±0.2	56	200
MC3-K040070-STBPU	4.0±0.2	7.0±0.2	62	200
MC3-K045075-STBPU	4.5±0.2	7.5±0.2	80	200
MC3-K050080-STBPU	5.0±0.2	8.0±0.2	85	200

Temperature Range

-20°C~+80°C, -40°C~+105°C

IP Rating

IP 66

Jacket Color

Grey/Red/Blue (Standard), other colors are available by consult.

Flexibility

High

EMC Shielding

Standard

RoHS

Yes

-20°C~+80°C, -40°C~+105°C

IP Rating

IP 66

Grey/Red/Blue (Standard), other colors are available by consult.

Flexibility

High

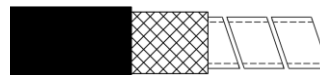
EMC Shielding

High

RoHS

Yes

Profile



Note

Stainless Steel Mono Coil + Metal Foil + Braiding

Series Code MC4-K-ASB

Features Stainless Steel Mono Coil · Aluminum Foil · Stainless Steel Braiding

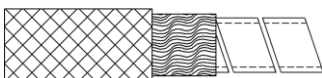
Product Photo



Product Specification	Part Number	ID (mm)	OD w/Braiding (mm)	Weight (g/m)	Package/Roll (m)
	MC4-K006012-SASB	0.6±0.1	1.2±0.1	7.8	200
	MC4-K008015-SASB	0.8±0.1	1.5±0.1	8.8	200
	MC4-K010020-SASB	1.0±0.1	2.0±0.1	10.0	200
	MC4-K015025-SASB	1.5±0.1	2.5±0.1	14.6	200
	MC4-K018027-SASB	1.8±0.1	2.7±0.1	19.7	200
	MC4-K022032-SASB	2.2±0.1	3.2±0.1	22.4	200
	MC4-K030042-SASB	3.0±0.1	4.2±0.1	33.7	200
	MC4-K035048-SASB	3.5±0.2	4.8±0.2	44.3	100
	MC4-K040050-SASB	4.0±0.2	5.0±0.2	47.5	100
	MC4-K045055-SASB	4.5±0.2	5.5±0.2	53.6	100
	MC4-K050062-SASB	5.0±0.2	6.2±0.2	59.8	100

Temperature Range -40°C~+350°C
IP Rating IP 40
Flexibility High
Tensile Resistance High
EMC Shielding Advanced High
RoHS Yes

Profile



Note

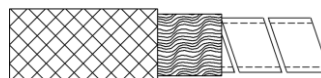
Series Code MC4-K-BTB

Features Stainless Steel Mono Coil · Copper Foil · Tinned Copper Braiding



Part Number	ID (mm)	OD w/Braiding (mm)	Weight (g/m)	Package/Roll (m)
MC4-K006012-SBTB	0.6±0.1	1.2±0.1	8.4	200
MC4-K008015-SBTB	0.8±0.1	1.5±0.1	9.7	200
MC4-K011020-SBTB	1.0±0.1	2.0±0.1	11.2	200
MC4-K015025-SBTB	1.5±0.1	2.5±0.1	16.2	200
MC4-K018027-SBTB	1.8±0.1	2.7±0.1	21.5	200
MC4-K022032-SBTB	2.2±0.1	3.2±0.1	24.4	200
MC4-K030042-SBTB	3.0±0.1	4.2±0.1	36.4	200
MC4-K035048-SBTB	3.5±0.2	4.8±0.2	47.5	100
MC4-K040050-SBTB	4.0±0.2	5.0±0.2	50.8	100
MC4-K045055-SBTB	4.5±0.2	5.5±0.2	57.4	100
MC4-K050062-SBTB	5.0±0.2	6.2±0.2	64.1	100

-40°C~+350°C
 IP 40
 High
 High
 Advanced High
 Yes



Tungsten Steel High Abrasion Resistance (Industrial Endoscope)



Tungsten Steel High Abrasion Resistance

- | | |
|---|----|
| ■ SUS Mono Coil+Jacket+Braiding (EC-UWB) | 24 |
| ■ SUS Mono Coil+Braiding+Jacket+Braiding (EC-WBUWB) | 25 |

Tungsten Steel High Abrasion Resistance series is specially developed for the industrial endoscope check executed in small spaces, more corners and critical environments. It consists of stainless steel mono coil tube and one or two layers of tungsten steel braiding featuring high abrasion and high temperature resistance. For water and dust proof, a layer of PU jacket can be coated outside or between the tungsten steel braiding(s). Integrating this wire protection tubing to the structure of industrial endoscope will make it fully adapt the examination carrying out in the pipeline or equipment space with high temperature and humidity, dusty, uneven & coarse, narrow & complicated conditions.

Applicable for the detail inspection of aerospace industry, auto industry, petrochemical industry, power plant, die casting products, etc.



Stainless Steel Mono Coil + Jacket + Braiding

Series Code	EC-UWB				
Features	Stainless Steel Mono Coil · PU Jacket · Tungsten Steel Braiding				
Product Photo					
Product Specification	Part Number	ID (mm)	OD w/ Braiding (mm)	Weight (g/m)	Package/Roll (m)
	EC-029039-UWB	2.9±0.1	3.9±0.15	24	200
	EC-040055-UWB	4.0±0.1	5.5±0.15	-	200
	EC-043058-UWB	4.3±0.1	5.8±0.15	-	200
	EC-057072-UWB	5.7±0.1	7.2±0.15	-	200
	EC-063078-UWB	6.3±0.1	7.8±0.15	-	200
Temperature Range	-20°C~+80°C				
IP Rating	IP 66				
Flexibility	Medium (Rebound Type)				
Tensile Resistance	High				
Profile					
Note					

Stainless Steel Mono Coil + Braiding + Jacket + Braiding

KAIFLEX®

Series Code **EC-WBUWB1**

Features (Soft) : Stainless Steel Mono Coil · Tungsten Steel Braiding · PU Jacket · Tungsten Steel Braiding

Product Photo



Product Specification

Part Number	ID (mm)	OD w/Braiding (mm)	Weight (g/m)	Package/Roll (m)
EC-029047-WBUWB1	2.9±0.1	4.7±0.15	-	100
EC-040059-WBUWB1	4.0±0.1	5.9±0.15	71	100
EC-043061-WBUWB1	4.3±0.1	6.1±0.15	73	100
EC-057075-WBUWB1	5.7±0.1	7.5±0.2	89	100
EC-063081-WBUWB1	6.3±0.1	8.1±0.2	96	100

Temperature Range

-20°C~+80°C

IP Rating

IP 66

Flexibility

Medium (Rebound Type)

Tensile Resistance

High

Profile



Note

EC-WBUWB2

(Hard) : Stainless Steel Mono Coil · Tungsten Steel Braiding · PU Jacket · Tungsten Steel Braiding



Part Number	ID (mm)	OD w/Braiding (mm)	Weight (g/m)	Package/Roll (m)
EC-029047-WBUWB2	2.9±0.1	4.7±0.15	-	100
EC-040059-WBUWB2	4.0±0.1	5.9±0.15	71	100
EC-043061-WBUWB2	4.3±0.1	6.1±0.15	73	100
EC-057075-WBUWB2	5.7±0.1	7.5±0.2	89	100
EC-063081-WBUWB2	6.3±0.1	8.1±0.2	96	100

-20°C~+80°C

IP 66

Medium (Rebound Type)

High



Ordering Information Guide

P **XXXXXX** **X** **X** **X** **X** **X** **XX**
① **②** **③** **④** **⑤** **⑥** **⑦** **⑧**

Apply for Square Lock & Interlocked Type

① Category Square Lock/ Interlocked	② ID+OD Six Code	③ Core Material S: Stainless Steel	④ Structure 1 1: Square Lock 2: Interlocked	⑤ Structure 2 1: Stretched Type 2: Retractable Type
⑥ Jacket Material P: PVC U: PU E: TPE K: Explosion Proof	⑦ Coating Type 1: Flat Coating 2: Curve Coating	⑧ Braiding Material SB: Stainless Steel Braiding TB: Tinned Copper Braiding		

SUS Square Lock/Interlocked : ① ~ ④ + ⑤
 SUS Square Lock/Interlocked+Jacket : ① ~ ④ + ⑥ ⑦
 SUS Square Lock/Interlocked+Braiding : ① ~ ④ + ⑧
 SUS Square Lock/Interlocked+Braiding+Jacket : ① ~ ④ + ⑧ ⑥ ⑦
 SUS Square Lock/Interlocked+Jacket+Braiding : ① ~ ④ + ⑥ ⑦ ⑧

MC **X** - **X** **XXXXXX** - **X** **X** **XX** **X** **X**
① **②** **③** **④** **⑤** **⑥** **⑦** **⑧** **⑨**

Apply for Mono Coil Type

① Category Mono Coil	② Structure 1: Stainless Steel Mono Coil +Braiding 2: Stainless Steel Mono Coil +Jacket 3: Stainless Steel Mono Coil +Braiding+Jacket 4: Stainless Steel Mono Coil +Metal Foil+Braiding	③ Processing K: Narrow Band J: Wide Band	④ ID+OD Six Code
⑤ Core Material S: Stainless Steel	⑥ Metal Foil A: Aluminum Foil B: Copper Foil	⑦ Braiding Material SB: Stainless Steel Braiding TB: Tinned Copper Braiding	⑧ Jacket Material P: PVC U: PU E: TPE L: LSZH
		⑨ Jacket Color G: Grey R: Red U: Blue B: Black	

(MC1) SUS Mono Coil +Braiding : ① ~ ⑤ + ⑦
 (MC2) SUS Mono Coil +Jacket : ① ~ ⑤ + ⑧ ⑨
 (MC3) SUS Mono Coil +Braiding+Jacket : ① ~ ⑤ + ⑦ ⑧ ⑨
 (MC4) SUS Mono Coil +Metal Foil+Braiding : ① ~ ⑤ + ⑥ ⑦

Ordering Information Guide



EC - XXXXXX - XX X X
① ② ③ ④ ⑤

Apply for Tungsten Steel High Abrasion Resistance Type

① Category	② ID+OD	③ Braiding Material	④ Jacket Material	⑤ Product Hardness
Tungsten Steel High Abrasion Resistance	Six Code	WB : Tungsten Steel Braiding	U : PU	1 : Soft 2 : Hard

SUS Mono Coil+Jacket+Braiding : ①②④③
SUS Mono Coil+Braiding+Jacket+Braiding : ①②③④③⑤

IP Coding System

KAIFLEX®

IP coding system is to indicate the degrees of protection provided by enclosures for electrical equipment against access to hazardous parts, ingress of solid objects and liquid. The greater numeral means higher protection rating.

IP XX

Solid Particle Protection		Liquid Ingress Protection	
0	No Protection	0	No Protection
1	Protect against the object >50mm ex.: carelessly touch by hands	1	Protect against vertically dripping water.
2	Protect against the object >12.5mm ex.: carelessly touch by fingers	2	Protect against vertically dripping water while specimen sloped at 15°.
3	Protect against the object >2.5mm ex.: tools, thick wires & etc.	3	Protect against spraying water at any angle up to 60° from vertical.
4	Protect against the object >1.0mm ex.: most wires, thin screws, ants & etc.	4	Protect against splashing water from any direction. Limit ingress is permitted.
5	Dust Protection. Ingress amount interfering operation is not allowed.	5	Protect against water projected with low pressure from any direction. Limit ingress is permitted.
6	Dust tight. No ingress is allowed.	6	Protect against water projected with high pressure from any direction. Limit ingress is permitted.
		7	Protect against immersion in water up to 1m for 30min. Limit ingress is permitted.
		8	Protect against continuous immersion in water with depth deeper than 1m.
		9K	Protect against close-range high pressure (80~100bar), high temperature (80°C) water jet from any direction.



KAIFLEX® | **KAIPHONE**

Kaiphone Technology Co., Ltd.

11F, No. 99, Zhongcheng Rd., Tucheng Dist., New Taipei City 23674, Taiwan
Tel : +886-2-2267 9769 www.kaiflex.com.tw
Fax : +886-2-2267 9779 info@kaiphone.com.tw

