



Nonmetallic Mechanical Protection Tubing (NMPT)

— UL/IEC Standard Applicable —



Kaiphone Technology Co., Ltd.

Nonmetallic Mechanical Protection Tubing (NMPT)

| 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 : 2008 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.

Nonmetallic Mechanical Protection Tubing (NMPT)



Flexible Conduits

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Round Type

- ▶ Light / Standard / Heavy / Super Flexible
- ▶ Nominal Conduit Size 10 ~ 54
- ▶ RoHS Compliant
- ▶ Halogen Free
- ▶ IP 66, IP 68



Round Type

■ Conduits

Standard Type (PAFS)	6
Heavy Type (PBFH)	7
Super Flexible Type (PUCS)	8
Light Type (PPFL)	9
Light Type (PEFL)	10

■ Fittings

Quick Type (FN01~FN04)	18
Quick Nut Type (FN60, FN63)	34
Advanced Liquid Tight Type (FN50, FN53)	40

Nonmetallic Mechanical Protection Tubing - Round Type, is made of Polyamide (PA) in corrugated shape. That makes the tube feature with high mechanical strength, strong toughness, attrition resistance and anti-aging. PAFS series mate with fitting series FN01~FN04, FN50 & FN53, this series of tubing have been certified by UL & cRUus following UL1696 & CSA C22.2 No. 227.3 standard. Suitable for various mechanical protection. Superior flexibility allows the wiring in narrow or small space to be easy.

This series of flexible conduit also performs excellent long term protection to the wires at constant moving part to further ensure operation efficiency. Except the standard product (PAFS series), we also offer light grade (PPFL and PEFL series), heavy grade (PBFH series) and toughness type (PUCS series) of product for different requirements. To establish the protection system resisting water and dust, the nonmetallic mechanical protection tubing is recommended to connect with nylon fitting series of FN01~FN04, FN50, FN53, FN60 & FN63. Available applications are assorted machines, robot, train cabins & its system.





Round Type

KAIFLEX®

Series Code PAFS

Features Standard Type · PA6

Product Photo



Nominal Conduit Size	Nominal Conduit Size	V0 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)	V2 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
10	1/4	PAFSV0-10	6.45±0.25	10.1±0.2	25	50	300*300*100	PAFSV2-10	6.45±0.25	10.1±0.2	25	50	300*300*100
13	5/16	PAFSV0-13	9.45±0.25	13.1±0.2	30	50	310*310*120	PAFSV2-13	9.45±0.25	13.1±0.2	30	50	310*310*120
16	3/8	PAFSV0-16	11.9±0.25	15.9±0.3	50	50	400*400*150	PAFSV2-16	11.9±0.25	15.9±0.3	50	50	400*400*150
21	1/2	PAFSV0-21	16.7±0.25	21.2±0.25	60	50	470*470*180	PAFSV2-21	16.7±0.25	21.2±0.25	60	50	470*470*180
28	3/4	PAFSV0-28	22.9±0.25	28.5±0.35	50	50	500*500*300	PAFSV2-28	22.9±0.25	28.5±0.35	50	50	500*500*300
28.5	3/4	PAFSV0-28.5	22.3±0.25	28.6±0.35	75	50	500*500*300	PAFSV2-28.5	22.3±0.25	28.6±0.35	75	50	500*500*300
34	1	PAFSV0-34	29.1±0.3	34.4±0.3	70	25	550*550*200	PAFSV2-34	29.1±0.3	34.4±0.3	70	25	550*550*200
34.5	1	PAFSV0-34.5	27.9±0.3	34.5±0.3	90	25	550*550*200	PAFSV2-34.5	27.9±0.3	34.5±0.3	90	25	550*550*200
42	1-1/4	PAFSV0-42	35.2±0.5	42.5±0.3	100	25	450*450*280	PAFSV2-42	35.2±0.5	42.5±0.3	100	25	450*450*280
48	1-1/2	PAFSV0-48	41.2±0.4	48.0±0.3	110	25	660*660*200	PAFSV2-48	41.2±0.4	48.0±0.3	110	25	660*660*200
54	2	PAFSV0-54	47.1±0.4	54.5±0.3	125	25	770*770*280	PAFSV2-54	47.1±0.4	54.5±0.3	125	25	770*770*280

Temperature Range

Static: -40°C~+120°C / Dynamic: -20°C~+100°C

IP Rating

IP 66 (Fit with connector series: FN01~FN04, FN60 and FN63)
IP 68 (Fit with connector series: FN50, FN53)

Flexibility

High

Flammability Rating

UL94 V-0, UL94 V-2

UV Resistance

Yes

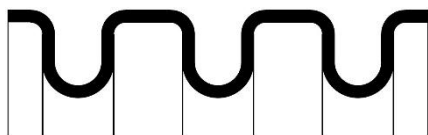
Impact Resistance

Recover after Impact

Environmental Protection Certificate

RoHS Compliance, Halogen Free
cRUus (File No. E491228), CE

Profile



Note Fine pitch apply for nominal conduit size 10~28 and 34. Remaining sizes are coarse pitch.



Round Type

KAIFLEX®

Series Code PBFH

Features Heavy Type · PA12

Product Photo



Nominal Conduit Size	Nominal Conduit Size	V0 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
10	1/4	PBFHV0-10	6.3±0.25	10.1±0.2	25	50	300*300*100
13	5/16	PBFHV0-13	9.3±0.25	13.1±0.2	30	50	310*310*120
16	3/8	PBFHV0-16	11.7±0.25	15.9±0.3	50	50	400*400*150
21	1/2	PBFHV0-21	16.5±0.25	21.2±0.25	60	50	470*470*180
28	3/4	PBFHV0-28	22.7±0.25	28.5±0.35	50	50	500*500*300
28.5	3/4	PBFHV0-28.5	22.1±0.25	28.6±0.35	75	50	500*500*300
34	1	PBFHV0-34	28.9±0.3	34.4±0.3	70	25	550*550*200
34.5	1	PBFHV0-34.5	27.7±0.3	34.5±0.3	90	25	550*550*200
42	1-1/4	PBFHV0-42	35.0±0.5	42.5±0.3	100	25	450*450*280
48	1-1/2	PBFHV0-48	41.0±0.4	48.0±0.3	110	25	660*660*200
54	2	PBFHV0-54	46.9±0.4	54.5±0.3	125	25	770*770*280

V2 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
PBFHV2-10	6.3±0.25	10.1±0.2	25	50	300*300*100
PBFHV2-13	9.3±0.25	13.1±0.2	30	50	310*310*120
PBFHV2-16	11.7±0.25	15.9±0.3	50	50	400*400*150
PBFHV2-21	16.5±0.25	21.2±0.25	60	50	470*470*180
PBFHV2-28	22.7±0.25	28.5±0.35	50	50	500*500*300
PBFHV2-28.5	22.1±0.25	28.6±0.35	75	50	500*500*300
PBFHV2-34	28.9±0.3	34.4±0.3	70	25	550*550*200
PBFHV2-34.5	27.7±0.3	34.5±0.3	90	25	550*550*200
PBFHV2-42	35.0±0.5	42.5±0.3	100	25	450*450*280
PBFHV2-48	41.0±0.4	48.0±0.3	110	25	660*660*200
PBFHV2-54	46.9±0.4	54.5±0.3	125	25	770*770*280

Temperature Range

Static: -50°C~+110°C / Dynamic: -20°C~+100°C

IP Rating

IP 66 (Fit with connector series: FN01~FN04, FN60 and FN63)
IP 68 (Fit with connector series: FN50, FN53)

Flexibility

High

Flammability Rating

UL94 V-0, UL94 V-2

UV Resistance

Yes

Impact Resistance

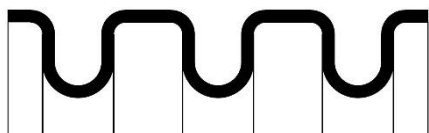
Recover after Impact

Environmental Protection Certificate

RoHs Compliance, Halogen Free

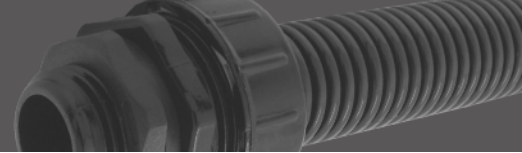
CE

Profile



Note

Fine pitch apply for nominal conduit size 10~28 and 34. Remaining sizes are coarse pitch.



Round Type

KAIFLEX®

Series Code PUCS

Features Super Flexible Type · PU

Product Photo



Nominal Conduit Size	Nominal Conduit Size	HB Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
10	1/4	PUCSHB-10	6.45±0.25	10.1±0.2	18	50	240*240*100
13	5/16	PUCSHB-13	9.45±0.25	13.1±0.2	20	50	248*248*120
16	3/8	PUCSHB-16	11.9±0.25	15.9±0.3	35	50	320*320*150
21	1/2	PUCSHB-21	16.7±0.25	21.2±0.25	42	50	376*376*180
28	3/4	PUCSHB-28	22.9±0.25	28.5±0.35	35	50	400*400*300
34	1	PUCSHB-34	29.1±0.3	34.4±0.3	49	25	440*440*200
42	1-1/4	PUCSHB-42	35.2±0.5	42.5±0.3	70	25	344*344*280
48	1-1/2	PUCSHB-48	41.2±0.4	48.0±0.3	77	25	528*528*200
54	2	PUCSHB-54	47.1±0.4	54.5±0.3	88	25	560*560*280

Temperature Range

-60°C~+50°C

IP Rating

IP 66 (Fit with connector series: FN01~FN04, FN60 and FN63)
IP 68 (Fit with connector series: FN50, FN53)

Flexibility

Super Advanced

Flammability Rating

UL94 HB

UV Resistance

Yes

Impact Resistance

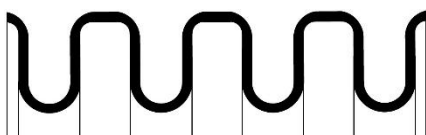
Recover after Impact

Environmental Protection Certificate

RoHs Compliance, Halogen Free

CE

Profile



Note



Round Type

KAIFLEX®

Series Code PPFL

Features Light Type · PP

Product Photo



Nominal Conduit Size	Nominal Conduit Size	VO Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
10	1/4	PPFLV0-10	6.7±0.25	10.1±0.2	25	50	300*300*100
13	5/16	PPFLV0-13	9.7±0.25	13.1±0.2	30	50	310*310*120
16	3/8	PPFLV0-16	12.1±0.25	15.9±0.3	50	50	400*400*150
21	1/2	PPFLV0-21	17.0±0.25	21.2±0.25	60	50	470*470*180
28	3/4	PPFLV0-28	23.2±0.25	28.5±0.35	50	50	500*500*300
28	3/4	PPFLV0-28.5	22.6±0.25	28.6±0.35	75	50	500*500*300
34	1	PPFLV0-34	29.4±0.3	34.4±0.3	70	25	550*550*200
34	1	PPFLV0-34.5	28.2±0.3	34.5±0.3	90	25	550*550*200
42	1-1/4	PPFLV0-42	35.6±0.5	42.5±0.3	100	25	450*450*280
48	1-1/2	PPFLV0-48	41.6±0.4	48.0±0.3	110	25	660*660*200
54	2	PPFLV0-54	47.5±0.4	54.5±0.3	125	25	770*770*280

HB Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
PPFLHB-10	6.7±0.25	10.1±0.2	25	50	300*300*100
PPFLHB-13	9.7±0.25	13.1±0.2	30	50	310*310*120
PPFLHB-16	12.1±0.25	15.9±0.3	50	50	400*400*150
PPFLHB-21	17.0±0.25	21.2±0.25	60	50	470*470*180
PPFLHB-28	23.2±0.25	28.5±0.35	50	50	500*500*300
PPFLHB-28.5	22.6±0.25	28.6±0.35	75	50	500*500*300
PPFLHB-34	29.4±0.3	34.4±0.3	70	25	550*550*200
PPFLHB-34.5	28.2±0.3	34.5±0.3	90	25	550*550*200
PPFLHB-42	35.6±0.5	42.5±0.3	100	25	450*450*280
PPFLHB-48	41.6±0.4	48.0±0.3	110	25	660*660*200
PPFLHB-54	47.5±0.4	54.5±0.3	125	25	770*770*280

Temperature Range

Static: -40°C~+110°C / Dynamic: -20°C~+100°C

IP Rating

IP 66 (Fit with connector series: FN01~FN04, FN60 and FN63)
IP 68 (Fit with connector series: FN50, FN53)

Flexibility

High

Flammability Rating

UL94 V-0, UL94 HB

UV Resistance

Yes

Impact Resistance

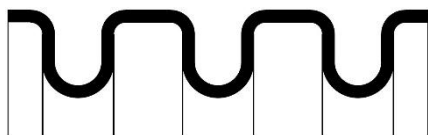
Recover after Impact

Environmental Protection Certificate

RoHs Compliance, Halogen Free

CE

Profile



Note



Round Type

KAIFLEX®

Series Code PEFL

Features Light Type · PE

Product Photo



Nominal Conduit Size	Nominal Conduit Size	V2 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
10	1/4	PEFLV2-10	6.7±0.25	10.1±0.2	25	50	300*300*100
13	5/16	PEFLV2-13	9.7±0.25	13.1±0.2	30	50	310*310*120
16	3/8	PEFLV2-16	12.1±0.25	15.9±0.3	50	50	400*400*150
21	1/2	PEFLV2-21	17.0±0.25	21.2±0.25	60	50	470*470*180
28	3/4	PEFLV2-28	23.2±0.25	28.5±0.35	50	50	500*500*300
28	3/4	PEFLV2-28.5	22.6±0.25	28.6±0.35	75	50	500*500*300
34	1	PEFLV2-34	29.4±0.3	34.4±0.3	70	25	550*550*200
34	1	PEFLV2-34.5	28.2±0.3	34.5±0.3	90	25	550*550*200
42	1-1/4	PEFLV2-42	35.6±0.5	42.5±0.3	100	25	450*450*280
48	1-1/2	PEFLV2-48	41.6±0.4	48.0±0.3	110	25	660*660*200
54	2	PEFLV2-54	47.5±0.4	54.5±0.3	125	25	770*770*280

HB Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
PEFLHB-10	6.7±0.25	10.1±0.2	25	50	300*300*100
PEFLHB-13	9.7±0.25	13.1±0.2	30	50	310*310*120
PEFLHB-16	12.1±0.25	15.9±0.3	50	50	400*400*150
PEFLHB-21	17.0±0.25	21.2±0.25	60	50	470*470*180
PEFLHB-28	23.2±0.25	28.5±0.35	50	50	500*500*300
PEFLHB-28.5	22.6±0.25	28.6±0.35	75	50	500*500*300
PEFLHB-34	29.4±0.3	34.4±0.3	70	25	550*550*200
PEFLHB-34.5	28.2±0.3	34.5±0.3	90	25	550*550*200
PEFLHB-42	35.6±0.5	42.5±0.3	100	25	450*450*280
PEFLHB-48	41.6±0.4	48.0±0.3	110	25	660*660*200
PEFLHB-54	47.5±0.4	54.5±0.3	125	25	770*770*280

Temperature Range

Static: -50°C~+100°C / Dynamic: -20°C~+100°C

IP Rating

IP 66 (Fit with connector series: FN01~FN04, FN60 and FN63)
IP 68 (Fit with connector series: FN50, FN53)

Flexibility

High

Flammability Rating

UL94 V-2, UL94 HB

UV Resistance

Yes

Impact Resistance

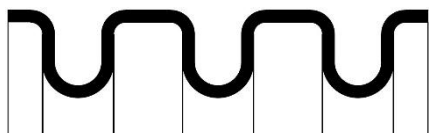
Recover after Impact

Environmental Protection Certificate

RoHs Compliance, Halogen Free

CE

Profile



Note

Split Type

- ▶ Single Split / Double Split
- ▶ Nominal Conduit Size 16 ~ 54
- ▶ RoHS Compliant
- ▶ Halogen Free
- ▶ IP 40



Split Type

■ Conduits

Single Split (PADS)	12
Double Split (PAWS)	13

■ Fittings

Quick Nut Type (FN60, FN63)	18
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Nonmetallic Mechanical Protection Tubing - Split Type, is made of Polyamide (PA) in corrugated shape. That makes the tube feature with high mechanical strength, strong toughness, attrition resistance and anti-aging. Superior flexibility allows the wiring in narrow or small space to be easy.

This series of flexible conduit is additionally made single or double slit on conduit body for the convenience of wire increase or remove. That not only enhances the replacement speed but also further decrease the loss of stop operation. The slit type nonmetallic mechanical protection tubing is recommended to connect with nylon fitting series of FN60 & FN63. Available applications are assorted machines, robot and etc..





Split Type

KAIFLEX®

Series Code PADS

Features Single Split · PA6

Product Photo



Nominal Conduit Size	Nominal Conduit Size	V0 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)	V2 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
16	3/8	PADSV0-16	11.9±0.25	15.9±0.3	50	50	400*400*150	PADSV2-16	11.9±0.25	15.9±0.3	50	50	400*400*150
21	1/2	PADSV0-21	16.7±0.25	21.2±0.25	60	50	470*470*180	PADSV2-21	16.7±0.25	21.2±0.25	60	50	470*470*180
28	3/4	PADSV0-28	22.9±0.25	28.5±0.35	50	50	500*500*300	PADSV2-28	22.9±0.25	28.5±0.35	50	50	500*500*300
28.5	3/4	PADSV0-28.5	22.3±0.25	28.6±0.35	75	50	500*500*300	PADSV2-28.5	22.3±0.25	28.6±0.35	75	50	500*500*300
34	1	PADSV0-34	29.1±0.3	34.4±0.3	70	25	550*550*200	PADSV2-34	29.1±0.3	34.4±0.3	70	25	550*550*200
34.5	1	PADSV0-34.5	27.9±0.3	34.5±0.3	90	25	550*550*200	PADSV2-34.5	27.9±0.3	34.5±0.3	90	25	550*550*200
42	1-1/4	PADSV0-42	35.2±0.5	42.5±0.3	100	25	450*450*280	PADSV2-42	35.2±0.5	42.5±0.3	100	25	450*450*280
48	1-1/2	PADSV0-48	41.2±0.4	48.0±0.3	110	25	660*660*200	PADSV2-48	41.2±0.4	48.0±0.3	110	25	660*660*200
54	2	PADSV0-54	47.1±0.4	54.5±0.3	125	25	770*770*280	PADSV2-54	47.1±0.4	54.5±0.3	125	25	770*770*280

Temperature Range

Static: -40°C~+120°C / Dynamic: -20°C~+100°C

IP Rating

IP 40 (Fit with connector series: FN60, FN63)

Flexibility

High

Flammability Rating

UL94 V-0, UL94 V-2

UV Resistance

Yes

Impact Resistance

Recover after Impact

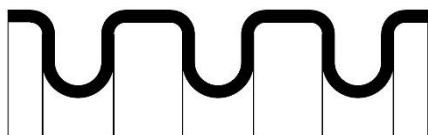
Environmental Protection

RoHs Compliance, Halogen Free

Certificate

CE

Profile



Note

Fine pitch apply for nominal conduit size 10~28 and 34. Remaining sizes are coarse pitch.



Double Split

KAIFLEX®

Series Code

PAWS

Features

Double Split · PA6

Product Photo



Nominal Conduit Size	Nominal Conduit Size	V0 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)	V2 Part Number	ID (mm)	OD (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
16	3/8	PAWSV0-16	10.2±0.25	15.8±0.2	50	50	500*500*150	PAWSV2-16	10.2±0.25	15.8±0.2	50	50	500*500*150
21	1/2	PAWSV0-21	15.6±0.25	21.2±0.2	60	50	588*588*180	PAWSV2-21	15.6±0.25	21.2±0.2	60	50	588*588*180
28	3/4	PAWSV0-28	21.0±0.25	28.5±0.3	50	50	625*625*300	PAWSV2-28	21.0±0.25	28.5±0.3	50	50	625*625*300
34	1	PAWSV0-34	27.0±0.25	34.5±0.25	70	25	688*688*200	PAWSV2-34	27.0±0.25	34.5±0.25	70	25	688*688*200
42	1-1/4	PAWSV0-42	33.5±0.25	42.5±0.35	100	25	578*578*280	PAWSV2-42	33.5±0.25	42.5±0.35	100	25	578*578*280
48	1-1/2	-	-	-	-	-	-	-	-	-	-	-	-
54	2	-	-	-	-	-	-	-	-	-	-	-	-

Temperature Range

Static: -40°C~+120°C / Dynamic: -20°C~+100°C

IP Rating

IP 40 (Fit with connector series: FN60, FN63)

Flexibility

High

Flammability Rating

UL94 V-0, UL94 V-2

UV Resistance

Yes

Impact Resistance

Recover after Impact

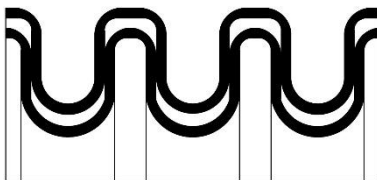
Environmental Protection

RoHs Compliance, Halogen Free

Certificate

CE

Profile



Note

Braiding Type

- ▶ Stainless Steel Braiding / Tinned Copper Braiding
- ▶ Nominal Conduit Size 10 ~ 54
- ▶ RoHS Compliant
- ▶ Halogen Free
- ▶ IP 66



Braiding Type

■ Conduits

Stainless Steel Braiding (PAFSSB)	15
Tinned Copper Braiding (PAFSTB)	16

Nonmetallic Mechanical Protection Tubing - Braiding Type, is made of Polyamide (PA) in corrugated shape. That makes the tube feature with high mechanical strength, strong toughness, attrition resistance and anti-aging. Suitable for various mechanical protection. The metal braiding structure enhances the character of abrasion & tensile resistance. Other than this, it is also available to screen the EMC. This series of product is most recommended for those applications with severe environment conditions.





Braiding Type

KAIFLEX®

Series Code PAFSSB

Features Standard Type (PA6) · Stainless Steel Braiding

Product Photo



Nominal Conduit Size	Nominal Conduit Size	V0 Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)	V2 Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
10	1/4	PAFSV0SB-10	6.45±0.25	11.1±0.2	25	50	330*330*100	PAFSV2SB-10	6.45±0.25	11.1±0.2	25	50	330*330*100
13	5/16	PAFSV0SB-13	9.45±0.25	14.1±0.2	30	50	341*341*120	PAFSV2SB-13	9.45±0.25	14.1±0.2	30	50	341*341*120
16	3/8	PAFSV0SB-16	11.9±0.25	17.3±0.3	50	50	440*440*150	PAFSV2SB-16	11.9±0.25	17.3±0.3	50	50	440*440*150
21	1/2	PAFSV0SB-21	16.7±0.25	22.6±0.25	60	50	517*517*180	PAFSV2SB-21	16.7±0.25	22.6±0.25	60	50	517*517*180
28	3/4	PAFSV0SB-28	22.9±0.25	29.9±0.35	50	50	550*550*300	PAFSV2SB-28	22.9±0.25	29.9±0.35	50	50	550*550*300
28.5	3/4	PAFSV0SB-28.5	22.3±0.25	30.0±0.35	75	50	550*550*300	PAFSV2SB-28.5	22.3±0.25	30.0±0.35	75	50	550*550*300
34	1	PAFSV0SB-34	29.1±0.3	36.2±0.3	70	25	605*605*200	PAFSV2SB-34	29.1±0.3	36.2±0.3	70	25	605*605*200
34.5	1	PAFSV0SB-34.5	27.9±0.3	36.3±0.3	90	25	605*605*200	PAFSV2SB-34.5	27.9±0.3	36.3±0.3	90	25	605*605*200
42	1-1/4	PAFSV0SB-42	35.2±0.5	44.3±0.3	100	25	473*473*280	PAFSV2SB-42	35.2±0.5	44.3±0.3	100	25	473*473*280
48	1-1/2	PAFSV0SB-48	41.2±0.4	49.8±0.3	110	25	726*726*200	PAFSV2SB-48	41.2±0.4	49.8±0.3	110	25	726*726*200
54	2	PAFSV0SB-54	47.1±0.4	56.3±0.3	125	25	847*847*280	PAFSV2SB-54	47.1±0.4	56.3±0.3	125	25	847*847*280

Temperature Range Static: -40°C~+120°C / Dynamic: -20°C~+100°C

IP Rating IP 66 (Conduit fitting is under development)

Flexibility Medium

Flammability Rating UL94 V-0, UL94 V-2

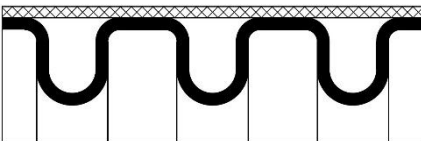
UV Resistance Yes

Impact Resistance High

EMC Shielding Standard

Environmental Protection RoHS Compliance, Halogen Free

Profile



Note



Braiding Type

KAIFLEX®

Series Code PAFSTB

Features Standard Type (PA6) · Tinned Copper Braiding

Product Photo



Nominal Conduit Size	Nominal Conduit Size	V0 Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)	V2 Part Number	ID (mm)	OD w/Braiding (mm)	Bending Radius (mm)	Package/Roll (m)	Measurement (LxWxH mm)
10	1/4	PAFSV0TB-10	6.45±0.25	11.1±0.2	25	100	330*330*100	PAFSV2TB-10	6.45±0.25	11.1±0.2	25	100	330*330*100
13	5/16	PAFSV0TB-13	9.45±0.25	14.1±0.2	30	100	341*341*120	PAFSV2TB-13	9.45±0.25	14.1±0.2	30	100	341*341*120
16	3/8	PAFSV0TB-16	11.9±0.25	17.3±0.3	50	50	440*440*150	PAFSV2TB-16	11.9±0.25	17.3±0.3	50	50	440*440*150
21	1/2	PAFSV0TB-21	16.7±0.25	22.6±0.25	60	50	517*517*180	PAFSV2TB-21	16.7±0.25	22.6±0.25	60	50	517*517*180
28	3/4	PAFSV0TB-28	22.9±0.25	29.9±0.35	50	50	550*550*300	PAFSV2TB-28	22.9±0.25	29.9±0.35	50	50	550*550*300
28.5	3/4	PAFSV0TB-28.5	22.3±0.25	30.0±0.35	75	50	550*550*300	PAFSV2TB-28.5	22.3±0.25	30.0±0.35	75	50	550*550*300
34	1	PAFSV0TB-34	29.1±0.3	36.2±0.3	70	30	605*605*200	PAFSV2TB-34	29.1±0.3	36.2±0.3	70	30	605*605*200
34.5	1	PAFSV0TB-34.5	27.9±0.3	36.3±0.3	90	30	605*605*200	PAFSV2TB-34.5	27.9±0.3	36.3±0.3	90	30	605*605*200
42	1-1/4	PAFSV0TB-42	35.2±0.5	44.3±0.3	100	30	473*473*280	PAFSV2TB-42	35.2±0.5	44.3±0.3	100	30	473*473*280
48	1-1/2	PAFSV0TB-48	41.2±0.4	49.8±0.3	110	15	726*726*200	PAFSV2TB-48	41.2±0.4	49.8±0.3	110	15	726*726*200
54	2	PAFSV0TB-54	47.1±0.4	56.3±0.3	125	15	847*847*280	PAFSV2TB-54	47.1±0.4	56.3±0.3	125	15	847*847*280

Temperature Range Static: -40°C~+120°C / Dynamic: -20°C~+100°C

IP Rating IP 66 (Conduit fitting is under development)

Flexibility Medium

Flammability Rating UL94 V-0, UL94 V-2

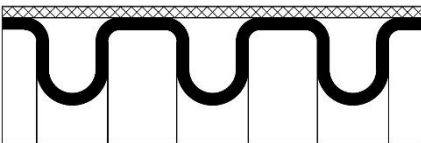
UV Resistance Yes

Impact Resistance High

EMC Shielding High

Environmental Protection RoHs Compliance, Halogen Free

Profile



Note

Fittings

- ▶ Quick Type / Quick Nut Type / Advanced Liquid Tight Type
- ▶ NPT / M / PG / G Thread
- ▶ RoHS Compliant
- ▶ Halogen Free
- ▶ IP 66, IP 68



Fittings

■ Quick Type

Straight Type, Plastic Thread (FN01)	18
Straight Type, Metal Thread (FN02)	22
Elbow Type, Plastic Thread (FN03)	26
Elbow Type, Metal Thread (FN04)	30

■ Quick Nut Type

Straight Type (FN60)	34
Elbow Type (FN63)	37

■ Advanced Liquid Tight Type

Straight Type (FN50)	40
Elbow Type (FN53)	43

Nylon Fitting - Quick Type (FN01, FN02, FN03, FN04) has been certified according to UL1696 and CSA C22.2 No.227.3 standard by mating with Nonmetallic Mechanical Protection Tubing (PAFS). The fitting is produced with Polyamide (PA) and designed by considering easy installation and also good mechanical strength. Further features of attrition resistance, fire retardant, resist low temperature and UV make nylon fitting be able to use in controlled or rough environments. For locations existing constant vibration, FN02 & FN04 series with metal thread are recommended.

Nylon Fitting - Quick Nut Type (FN60, FN63) is produced with Polyamide (PA). Design of this fitting combines the solid locking of nut and easy & quick structure to fit with flexible conduit. That offers advantage of quick installation and firm connection which is benefit to improve the efficiency of assembly and stability of whole system.

Nylon Fitting - Advanced Liquid Tight Type (FN50, FN53) has been certified according to UL1696 and CSA C22.2 No.227.3 standard by mating with Nonmetallic Mechanical Protection Tubing (PAFS). The fitting is produced with Polyamide (PA). Its compact structure offers advanced water proof function (IP 68) and tighter coupling between fitting and flexible conduit.





Fittings

KAIFLEX®

Series Code FN01

Features Quick Type · Straight Type · NPT

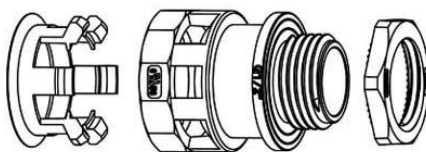
Product Photo



Nominal Conduit Size	Nominal Conduit Size	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	NPT Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN0110-NPT1/4-V0	660	3.2	1/4"	FN0110-NPT1/4-V2	660	3.2
13	5/16	1/2"	FN0113-NPT1/2-V0	400	3.5	1/2"	FN0113-NPT1/2-V2	400	3.5
16	3/8	1/2"	FN0116-NPT1/2-V0	300	2.8	1/2"	FN0116-NPT1/2-V2	300	2.8
21	1/2	1/2"	FN0121-NPT1/2-V0	240	2.8	1/2"	FN0121-NPT1/2-V2	240	2.8
28	3/4	3/4"	FN0128-NPT3/4-V0	150	2.6	3/4"	FN0128-NPT3/4-V2	150	2.6
34	1	1"	FN0134-NPT1-V0	120	3.0	1"	FN0134-NPT1-V2	120	3.0
42	1-1/4	1-1/4"	FN0142-NPT1-1/4-V0	60	2.1	1-1/4"	FN0142-NPT1-1/4-V2	60	2.1
54	2	2"	FN0154-NPT2-V0	54	3.6	2"	FN0154-NPT2-V2	54	3.6

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	cRUus (File No. E491228), CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN01

Features Quick Type · Straight Type · M

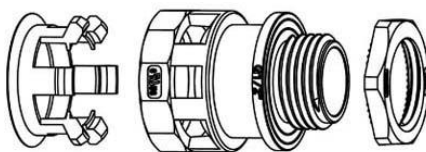
Product Photo



Nominal Conduit Size	Nominal Conduit Size	M Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	M Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	M12	FN0110-M12-V0	660	3.2	M12	FN0110-M12-V2	660	3.2
13	5/16	M16	FN0113-M16-V0	400	3.5	M16	FN0113-M16-V2	400	3.5
16	3/8	M20	FN0116-M20-V0	300	2.8	M20	FN0116-M20-V2	300	2.8
21	1/2	M20	FN0121-M20-V0	240	2.8	M20	FN0121-M20-V2	240	2.8
28	3/4	M25	FN0128-M25-V0	150	2.6	M25	FN0128-M25-V2	150	2.6
34	1	M32	FN0134-M32-V0	120	3.0	M32	FN0134-M32-V2	120	3.0
42	1-1/4	M40	FN0142-M40-V0	60	2.1	M40	FN0142-M40-V2	60	2.1
54	2	M63	FN0154-M63-V0	54	3.6	M63	FN0154-M63-V2	54	3.6

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN01

Features Quick Type · Straight Type · PG

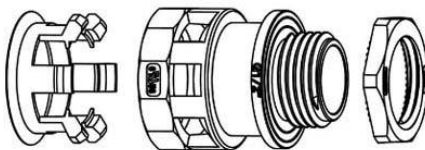
Product Photo



Nominal Conduit Size	Nominal Conduit Size	PG Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	PG Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	PG7	FN0110-PG7-V0	660	3.2	PG7	FN0110-PG7-V2	660	3.2
13	5/16	PG9	FN0113-PG9-V0	400	3.5	PG9	FN0113-PG9-V2	400	3.5
16	3/8	PG11	FN0116-PG11-V0	300	2.8	PG11	FN0116-PG11-V2	300	2.8
21	1/2	PG16	FN0121-PG16-V0	240	2.8	PG16	FN0121-PG16-V2	240	2.8
28	3/4	PG21	FN0128-PG21-V0	150	2.6	PG21	FN0128-PG21-V2	150	2.6
34	1	PG29	FN0134-PG29-V0	120	3.0	PG29	FN0134-PG29-V2	120	3.0
42	1-1/4	PG36	FN0142-PG36-V0	60	2.1	PG36	FN0142-PG36-V2	60	2.1
54	2	PG48	FN0154-PG48-V0	54	3.6	PG48	FN0154-PG48-V2	54	3.6

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN01

Features Quick Type · Straight Type · G

Product Photo



Nominal Conduit Size	Nominal Conduit Size	G Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	G Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN0110-G1/4-V0	660	3.2	1/4"	FN0110-G1/4-V2	660	3.2
13	5/16	1/2"	FN0113-G1/2-V0	400	3.5	1/2"	FN0113-G1/2-V2	400	3.5
16	3/8	1/2"	FN0116-G1/2-V0	300	2.8	1/2"	FN0116-G1/2-V2	300	2.8
21	1/2	1/2"	FN0121-G1/2-V0	240	2.8	1/2"	FN0121-G1/2-V2	240	2.8
28	3/4	3/4"	FN0128-G3/4-V0	150	2.6	3/4"	FN0128-G3/4-V2	150	2.6
34	1	1"	FN0134-G1-V0	120	3.0	1"	FN0134-G1-V2	120	3.0
42	1-1/4	1-1/4"	FN0142-G1-1/4-V0	60	2.1	1-1/4"	FN0142-G1-1/4-V2	60	2.1
54	2	2"	FN0154-G2-V0	54	3.6	2"	FN0154-G2-V2	54	3.6

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

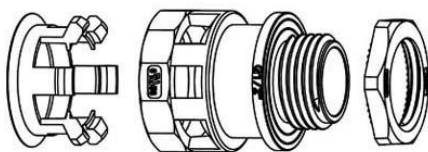
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN02

Features Quick Type · Straight Type · Metal Thread · NPT

Product Photo



Nominal Conduit Size	Nominal Conduit Size	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	NPT Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN0210-NPT1/4-V0	660	13.4	1/4"	FN0210-NPT1/4-V2	660	13.4
13	5/16	1/2"	FN0213-NPT1/2-V0	400	15.1	1/2"	FN0213-NPT1/2-V2	400	15.1
16	3/8	1/2"	FN0216-NPT1/2-V0	300	15.1	1/2"	FN0216-NPT1/2-V2	300	15.1
21	1/2	1/2"	FN0221-NPT1/2-V0	240	9.7	1/2"	FN0221-NPT1/2-V2	240	9.7
28	3/4	3/4"	FN0228-NPT3/4-V0	150	9.6	3/4"	FN0228-NPT3/4-V2	150	9.6
34	1	1"	FN0234-NPT1-V0	120	11.3	1"	FN0234-NPT1-V2	120	11.3
42	1-1/4	1-1/4"	FN0242-NPT1-1/4-V0	60	9.0	1-1/4"	FN0242-NPT1-1/4-V2	60	9.0
54	2	2"	FN0254-NPT2-V0	54	14.1	2"	FN0254-NPT2-V2	54	14.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

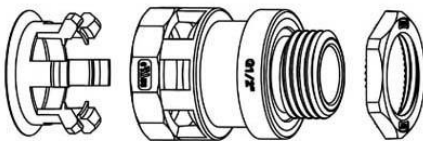
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate cRUus (File No. E491228), CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN02

Features Quick Type · Straight Type · Metal Thread · M

Product Photo



Nominal Conduit Size	Nominal Conduit Size	M Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	M Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	M12	FN0210-M12-V0	660	13.4	M12	FN0210-M12-V2	660	13.4
13	5/16	M16	FN0213-M16-V0	400	15.1	M16	FN0213-M16-V2	400	15.1
16	3/8	M20	FN0216-M20-V0	300	15.1	M20	FN0216-M20-V2	300	15.1
21	1/2	M20	FN0221-M20-V0	240	9.7	M20	FN0221-M20-V2	240	9.7
28	3/4	M25	FN0228-M25-V0	150	9.6	M25	FN0228-M25-V2	150	9.6
34	1	M32	FN0234-M32-V0	120	11.3	M32	FN0234-M32-V2	120	11.3
42	1-1/4	M40	FN0242-M40-V0	60	9.0	M40	FN0242-M40-V2	60	9.0
54	2	M63	FN0254-M63-V0	54	14.1	M63	FN0254-M63-V2	54	14.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

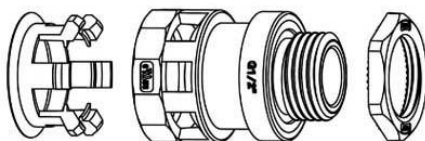
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN02

Features Quick Type · Straight Type · Metal Thread · PG

Product Photo



Nominal Conduit Size	Nominal Conduit Size	PG Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	PG Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	PG7	FN0210-PG7-V0	660	13.4	PG7	FN0210-PG7-V2	660	13.4
13	5/16	PG9	FN0213-PG9-V0	400	15.1	PG9	FN0213-PG9-V2	400	15.1
16	3/8	PG11	FN0216-PG11-V0	300	15.1	PG11	FN0216-PG11-V2	300	15.1
21	1/2	PG16	FN0221-PG16-V0	240	9.7	PG16	FN0221-PG16-V2	240	9.7
28	3/4	PG21	FN0228-PG21-V0	150	9.6	PG21	FN0228-PG21-V2	150	9.6
34	1	PG29	FN0234-PG29-V0	120	11.3	PG29	FN0234-PG29-V2	120	11.3
42	1-1/4	PG36	FN0242-PG36-V0	60	9.0	PG36	FN0242-PG36-V2	60	9.0
54	2	PG48	FN0254-PG48-V0	54	14.1	PG48	FN0254-PG48-V2	54	14.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

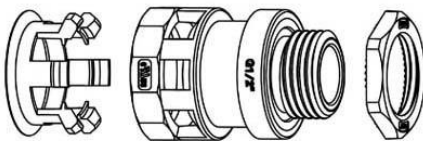
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN02

Features Quick Type · Straight Type · Metal Thread · G

Product Photo



Nominal Conduit Size	Nominal Conduit Size	G Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	G Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN0210-G1/4-V0	660	13.4	1/4"	FN0210-G1/4-V2	660	13.4
13	5/16	1/2"	FN0213-G1/2-V0	400	15.1	1/2"	FN0213-G1/2-V2	400	15.1
16	3/8	1/2"	FN0216-G1/2-V0	300	15.1	1/2"	FN0216-G1/2-V2	300	15.1
21	1/2	1/2"	FN0221-G1/2-V0	240	9.7	1/2"	FN0221-G1/2-V2	240	9.7
28	3/4	3/4"	FN0228-G3/4-V0	150	9.6	3/4"	FN0228-G3/4-V2	150	9.6
34	1	1"	FN0234-G1-V0	120	11.3	1"	FN0234-G1-V2	120	11.3
42	1-1/4	1-1/4"	FN0242-G1-1/4-V0	60	9.0	1-1/4"	FN0242-G1-1/4-V2	60	9.0
54	2	2"	FN0254-G2-V0	54	14.1	2"	FN0254-G2-V2	54	14.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

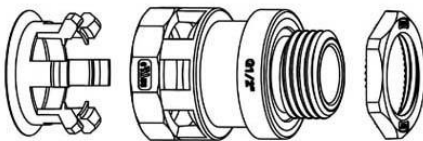
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN03

Features Quick Type · Elbow Type · NPT

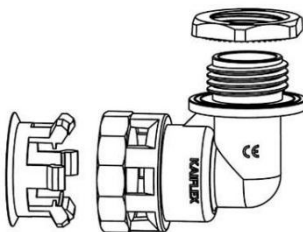
Product Photo



Nominal Conduit Size	Nominal Conduit Size	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	NPT Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN0310-NPT1/4-V0	560	3.0	1/4"	FN0310-NPT1/4-V2	560	3.0
13	5/16	1/2"	FN0313-NPT1/2-V0	300	2.9	1/2"	FN0313-NPT1/2-V2	300	2.9
16	3/8	1/2"	FN0316-NPT1/2-V0	210	2.3	1/2"	FN0316-NPT1/2-V2	210	2.3
21	1/2	1/2"	FN0321-NPT1/2-V0	180	2.7	1/2"	FN0321-NPT1/2-V2	180	2.7
28	3/4	3/4"	FN0328-NPT3/4-V0	120	2.7	3/4"	FN0328-NPT3/4-V2	120	2.7
34	1	1"	FN0334-NPT1-V0	75	2.5	1"	FN0334-NPT1-V2	75	2.5
42	1-1/4	1-1/4"	FN0342-NPT1-1/4-V0	36	1.8	1-1/4"	FN0342-NPT1-1/4-V2	36	1.8
54	2	2"	FN0354-NPT2-V0	24	1.7	2"	FN0354-NPT2-V2	24	1.7

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	cRUus (File No. E491228), CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN03

Features Quick Type · Elbow Type · M

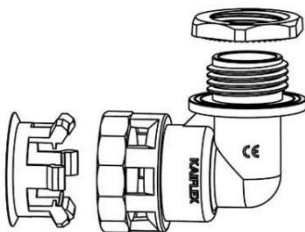
Product Photo



Nominal Conduit Size	Nominal Conduit Size	M Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	M Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	M12	FN0310-M12-V0	560	3.0	M12	FN0310-M12-V2	560	3.0
13	5/16	M16	FN0313-M16-V0	300	2.9	M16	FN0313-M16-V2	300	2.9
16	3/8	M20	FN0316-M20-V0	210	2.3	M20	FN0316-M20-V2	210	2.3
21	1/2	M20	FN0321-M20-V0	180	2.7	M20	FN0321-M20-V2	180	2.7
28	3/4	M25	FN0328-M25-V0	120	2.7	M25	FN0328-M25-V2	120	2.7
34	1	M32	FN0334-M32-V0	75	2.5	M32	FN0334-M32-V2	75	2.5
42	1-1/4	M40	FN0342-M40-V0	36	1.8	M40	FN0342-M40-V2	36	1.8
54	2	M63	FN0354-M63-V0	24	1.7	M63	FN0354-M63-V2	24	1.7

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN03

Features Quick Type · Elbow Type · PG

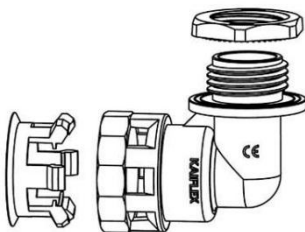
Product Photo



Nominal Conduit Size	Nominal Conduit Size	PG Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	PG Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	PG7	FN0310-PG7-V0	560	3.0	PG7	FN0310-PG7-V2	560	3.0
13	5/16	PG9	FN0313-PG9-V0	300	2.9	PG9	FN0313-PG9-V2	300	2.9
16	3/8	PG11	FN0316-PG11-V0	210	2.3	PG11	FN0316-PG11-V2	210	2.3
21	1/2	PG16	FN0321-PG16-V0	180	2.7	PG16	FN0321-PG16-V2	180	2.7
28	3/4	PG21	FN0328-PG21-V0	120	2.7	PG21	FN0328-PG21-V2	120	2.7
34	1	PG29	FN0334-PG29-V0	75	2.5	PG29	FN0334-PG29-V2	75	2.5
42	1-1/4	PG36	FN0342-PG36-V0	36	1.8	PG36	FN0342-PG36-V2	36	1.8
54	2	PG48	FN0354-PG48-V0	24	1.7	PG48	FN0354-PG48-V2	24	1.7

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN03

Features Quick Type · Elbow Type · G

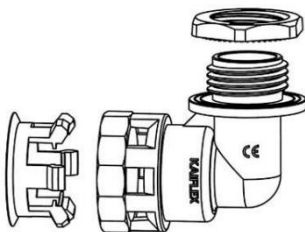
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Nominal Conduit Size	Nominal Conduit Size	G Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	G Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN0310-G1/4-V0	560	3.0	1/4"	FN0310-G1/4-V2	560	3.0
13	5/16	1/2"	FN0313-G1/2-V0	300	2.9	1/2"	FN0313-G1/2-V2	300	2.9
16	3/8	1/2"	FN0316-G1/2-V0	210	2.3	1/2"	FN0316-G1/2-V2	210	2.3
21	1/2	1/2"	FN0321-G1/2-V0	180	2.7	1/2"	FN0321-G1/2-V2	180	2.7
28	3/4	3/4"	FN0328-G3/4-V0	120	2.7	3/4"	FN0328-G3/4-V2	120	2.7
34	1	1"	FN0334-G1-V0	75	2.5	1"	FN0334-G1-V2	75	2.5
42	1-1/4	1-1/4"	FN0342-G1-1/4-V0	36	1.8	1-1/4"	FN0342-G1-1/4-V2	36	1.8
54	2	2"	FN0354-G2-V0	24	1.7	2"	FN0354-G2-V2	24	1.7

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN04

Features Quick Type · Elbow Type · Metal Thread · NPT

Product Photo



Nominal Conduit Size	Nominal Conduit Size	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	NPT Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN0410-NPT1/4-V0	560	11.6	1/4"	FN0410-NPT1/4-V2	560	11.6
13	5/16	1/2"	FN0413-NPT1/2-V0	300	11.9	1/2"	FN0413-NPT1/2-V2	300	11.9
16	3/8	1/2"	FN0416-NPT1/2-V0	210	8.5	1/2"	FN0416-NPT1/2-V2	210	8.5
21	1/2	1/2"	FN0421-NPT1/2-V0	180	7.8	1/2"	FN0421-NPT1/2-V2	180	7.8
28	3/4	3/4"	FN0428-NPT3/4-V0	120	8.3	3/4"	FN0428-NPT3/4-V2	120	8.3
34	1	1"	FN0434-NPT1-V0	75	8.0	1"	FN0434-NPT1-V2	75	8.0
42	1-1/4	1-1/4"	FN0442-NPT1-1/4-V0	36	5.9	1-1/4"	FN0442-NPT1-1/4-V2	36	5.9
54	2	2"	FN0454-NPT2-V0	24	6.8	2"	FN0454-NPT2-V2	24	6.8

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

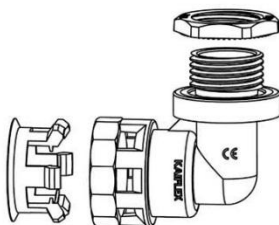
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate cRUus (File No. E491228), CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN04

Features Quick Type · Elbow Type · Metal Thread · M

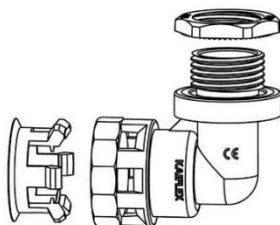
Product Photo



Nominal Conduit Size	Nominal Conduit Size	M Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	M Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	M12	FN0410-M12-V0	560	11.6	M12	FN0410-M12-V2	560	11.6
13	5/16	M16	FN0413-M16-V0	300	11.9	M16	FN0413-M16-V2	300	11.9
16	3/8	M20	FN0416-M20-V0	210	8.5	M20	FN0416-M20-V2	210	8.5
21	1/2	M20	FN0421-M20-V0	180	7.8	M20	FN0421-M20-V2	180	7.8
28	3/4	M25	FN0428-M25-V0	120	8.3	M25	FN0428-M25-V2	120	8.3
34	1	M32	FN0434-M32-V0	75	8.0	M32	FN0434-M32-V2	75	8.0
42	1-1/4	M40	FN0442-M40-V0	36	5.9	M40	FN0442-M40-V2	36	5.9
54	2	M63	FN0454-M63-V0	24	6.8	M63	FN0454-M63-V2	24	6.8

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN04

Features Quick Type · Elbow Type · Metal Thread · PG

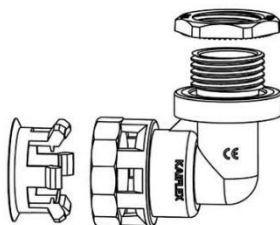
Product Photo



Nominal Conduit Size	Nominal Conduit Size	PG Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	PG Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	PG7	FN0410-PG7-V0	560	11.6	PG7	FN0410-PG7-V2	560	11.6
13	5/16	PG9	FN0413-PG9-V0	300	11.9	PG9	FN0413-PG9-V2	300	11.9
16	3/8	PG11	FN0416-PG11-V0	210	8.5	PG11	FN0416-PG11-V2	210	8.5
21	1/2	PG16	FN0421-PG16-V0	180	7.8	PG16	FN0421-PG16-V2	180	7.8
28	3/4	PG21	FN0428-PG21-V0	120	8.3	PG21	FN0428-PG21-V2	120	8.3
34	1	PG29	FN0434-PG29-V0	75	8.0	PG29	FN0434-PG29-V2	75	8.0
42	1-1/4	PG36	FN0442-PG36-V0	36	5.9	PG36	FN0442-PG36-V2	36	5.9
54	2	PG48	FN0454-PG48-V0	24	6.8	PG48	FN0454-PG48-V2	24	6.8

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN04

Features Quick Type · Elbow Type · Metal Thread · G

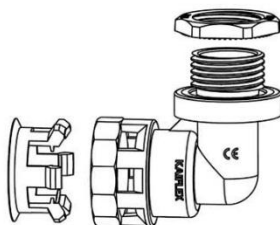
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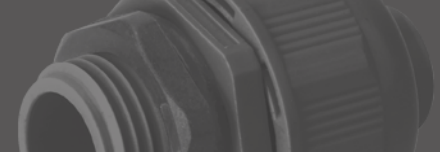
Nominal Conduit Size	Nominal Conduit Size	G Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	G Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN0410-G1/4-V0	560	11.6	1/4"	FN0410-G1/4-V2	560	11.6
13	5/16	1/2"	FN0413-G1/2-V0	300	11.9	1/2"	FN0413-G1/2-V2	300	11.9
16	3/8	1/2"	FN0416-G1/2-V0	210	8.5	1/2"	FN0416-G1/2-V2	210	8.5
21	1/2	1/2"	FN0421-G1/2-V0	180	7.8	1/2"	FN0421-G1/2-V2	180	7.8
28	3/4	3/4"	FN0428-G3/4-V0	120	8.3	3/4"	FN0428-G3/4-V2	120	8.3
34	1	1"	FN0434-G1-V0	75	8.0	1"	FN0434-G1-V2	75	8.0
42	1-1/4	1-1/4"	FN0442-G1-1/4-V0	36	5.9	1-1/4"	FN0442-G1-1/4-V2	36	5.9
54	2	2"	FN0454-G2-V0	24	6.8	2"	FN0454-G2-V2	24	6.8

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 66
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN60

Features Quick Nut Type · Straight Type · NPT

Product Photo



Nominal Conduit Size	Nominal Conduit Size	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)
16	3/8	1/2"	FN6016-NPT1/2-V0	400	8.7	1/2"	FN6016-NPT1/2-V2	400	8.7
21	1/2	1/2"	FN6021-NPT1/2-V0	360	7.7	1/2"	FN6021-NPT1/2-V2	360	7.7
28	3/4	3/4"	FN6028-NPT3/4-V0	300	9.0	3/4"	FN6028-NPT3/4-V2	300	9.0
34	1	1"	FN6034-NPT1-V0	160	7.8	1"	FN6034-NPT1-V2	160	7.8
42	1-1/4	1-1/4"	FN6042-NPT1-1/4-V0	80	5.1	1-1/4"	FN6042-NPT1-1/4-V2	80	5.1
48	1-1/2	1-1/2"	FN6048-NPT1-1/2-V0	60	4.2	1-1/2"	FN6048-NPT1-1/2-V2	60	4.2
54	2	2"	FN6054-NPT2-V0	50	6.5	2"	FN6054-NPT2-V2	50	6.5

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate cULus (File No. E256570), CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN60

Features Quick Nut Type · Straight Type · M

Product Photo



Nominal Conduit Size	Nominal Conduit Size	M Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	M Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
16	3/8	M16	FN6016-M16-V0	400	8.7	M16	FN6016-M16-V2	400	8.7
21	1/2	M20	FN6021-M20-V0	360	7.7	M20	FN6021-M20-V2	360	7.7
28	3/4	M25	FN6028-M25-V0	300	9.0	M25	FN6028-M25-V2	300	9.0
34	1	M32	FN6034-M32-V0	160	7.8	M32	FN6034-M32-V2	160	7.8
42	1-1/4	M40	FN6042-M40-V0	80	5.1	M40	FN6042-M40-V2	80	5.1
48	1-1/2	M50	FN6048-M50-V0	60	4.2	M50	FN6048-M50-V2	60	4.2
54	2	M63	FN6054-M63-V0	50	6.5	M63	FN6054-M63-V2	50	6.5

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

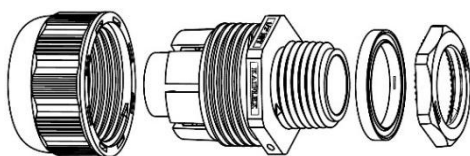
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN60

Features Quick Nut Type · Straight Type · PG

Product Photo



Nominal Conduit Size	Nominal Conduit Size	PG Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	PG Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
16	3/8	PG11	FN6016-PG11-V0	400	8.7	PG11	FN6016-PG11-V2	400	8.7
21	1/2	PG16	FN6021-PG16-V0	360	7.7	PG16	FN6021-PG16-V2	360	7.7
28	3/4	PG21	FN6028-PG21-V0	300	9.0	PG21	FN6028-PG21-V2	300	9.0
34	1	PG29	FN6034-PG29-V0	160	7.8	PG29	FN6034-PG29-V2	160	7.8
42	1-1/4	PG36	FN6042-PG36-V0	80	5.1	PG36	FN6042-PG36-V2	80	5.1
48	1-1/2	PG42	FN6048-PG42-V0	60	4.2	PG42	FN6048-PG42-V2	60	4.2
54	2	PG48	FN6054-PG48-V0	50	6.5	PG48	FN6054-PG48-V2	50	6.5

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN63

Features Quick Nut Type · Elbow Type · NPT

Product Photo



Nominal Conduit Size	Nominal Conduit Size	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	NPT Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
16	3/8	1/2"	FN6316-NPT1/2-V0	350	11.1	1/2"	FN6316-NPT1/2-V2	350	11.1
21	1/2	1/2"	FN6321-NPT1/2-V0	200	5.1	1/2"	FN6321-NPT1/2-V2	200	5.1
28	3/4	3/4"	FN6328-NPT3/4-V0	160	5.7	3/4"	FN6328-NPT3/4-V2	160	5.7
34	1	1"	FN6334-NPT1-V0	100	6.2	1"	FN6334-NPT1-V2	100	6.2
42	1-1/4	1-1/4"	FN6342-NPT1-1/4-V0	40	3.6	1-1/4"	FN6342-NPT1-1/4-V2	40	3.6
48	1-1/2	1-1/2"	FN6348-NPT1-1/2-V0	30	3.4	1-1/2"	FN6348-NPT1-1/2-V2	30	3.4
54	2	2"	FN6354-NPT2-V0	16	2.5	2"	FN6354-NPT2-V2	16	2.5

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

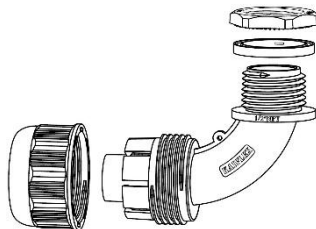
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate cULus (File No. E256570), CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN63

Features Quick Nut Type · Elbow Type · M

Product Photo



Nominal Conduit Size	Nominal Conduit Size	M Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	M Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
16	3/8	M16	FN6316-M16-V0	350	11.1	M16	FN6316-M16-V2	350	11.1
21	1/2	M20	FN6321-M20-V0	200	5.1	M20	FN6321-M20-V2	200	5.1
28	3/4	M25	FN6328-M25-V0	160	5.7	M25	FN6328-M25-V2	160	5.7
34	1	M32	FN6334-M32-V0	100	6.2	M32	FN6334-M32-V2	100	6.2
42	1-1/4	M40	FN6342-M40-V0	40	3.6	M40	FN6342-M40-V2	40	3.6
48	1-1/2	M50	FN6348-M50-V0	30	3.4	M50	FN6348-M50-V2	30	3.4
54	2	M63	FN6354-M63-V0	16	2.5	M63	FN6354-M63-V2	16	2.5

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

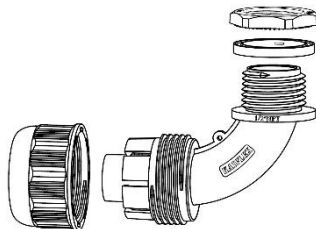
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN63

Features Quick Nut Type · Elbow Type · PG

Product Photo



Nominal Conduit Size	Nominal Conduit Size	PG Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	PG Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
16	3/8	PG11	FN6316-PG11-V0	350	11.1	PG11	FN6316-PG11-V2	350	11.1
21	1/2	PG16	FN6321-PG16-V0	200	5.1	PG16	FN6321-PG16-V2	200	5.1
28	3/4	PG21	FN6328-PG21-V0	160	5.7	PG21	FN6328-PG21-V2	160	5.7
34	1	PG29	FN6334-PG29-V0	100	6.2	PG29	FN6334-PG29-V2	100	6.2
42	1-1/4	PG36	FN6342-PG36-V0	40	3.6	PG36	FN6342-PG36-V2	40	3.6
48	1-1/2	PG42	FN6348-PG42-V0	30	3.4	PG42	FN6348-PG42-V2	30	3.4
54	2	PG48	FN6354-PG48-V0	16	2.5	PG48	FN6354-PG48-V2	16	2.5

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

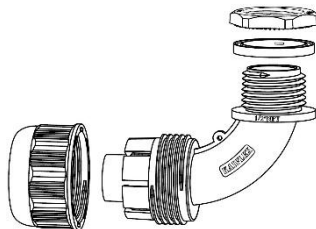
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN50

Features Advanced Liquid Tight Type · Straight Type · NPT

Product Photo



Nominal Conduit Size	Nominal Conduit Size	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	NPT Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN5010-NPT1/4-V0	660	8.3	1/4"	FN5010-NPT1/4-V2	660	8.3
13	5/16	3/8"	FN5013-NPT3/8-V0	400	7.7	3/8"	FN5013-NPT3/8-V2	400	7.7
16	3/8	1/2"	FN5016-NPT1/2-V0	300	7.4	1/2"	FN5016-NPT1/2-V2	300	7.4
21	1/2	1/2"	FN5021-NPT1/2-V0	240	6.75	1/2"	FN5021-NPT1/2-V2	240	6.75
28	3/4	3/4"	FN5028-NPT3/4-V0	150	6.2	3/4"	FN5028-NPT3/4-V2	150	6.2
34	1	1"	FN5034-NPT1-V0	120	5.2	1"	FN5034-NPT1-V2	120	5.2
42	1-1/4	1-1/4"	FN5042-NPT1-1/4-V0	60	4.9	1-1/4"	FN5042-NPT1-1/4-V2	60	4.9
48	1-1/2	1-1/2"	FN5048-NPT1-1/2-V0	40	4.7	1-1/2"	FN5048-NPT1-1/2-V2	40	4.7
54	2	2"	FN5054-NPT2-V0	54	4.1	2"	FN5054-NPT2-V2	54	4.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate cRUus (File No. E491228), CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN50

Features Advanced Liquid Tight Type · Straight Type · M

Product Photo



Nominal Conduit Size	Nominal Conduit Size	M Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	M Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	M12	FN5010-M12-V0	660	8.3	M12	FN5010-M12-V2	660	8.3
13	5/16	M16	FN5013-M16-V0	400	7.7	M16	FN5013-M16-V2	400	7.7
16	3/8	M16	FN5016-M16-V0	300	7.4	M16	FN5016-M16-V2	300	7.4
21	1/2	M20	FN5021-M20-V0	240	6.75	M20	FN5021-M20-V2	240	6.75
28	3/4	M25	FN5028-M25-V0	150	6.2	M25	FN5028-M25-V2	150	6.2
34	1	M32	FN5034-M32-V0	120	5.2	M32	FN5034-M32-V2	120	5.2
42	1-1/4	M40	FN5042-M40-V0	60	4.9	M40	FN5042-M40-V2	60	4.9
48	1-1/2	M50	FN5048-M50-V0	40	4.7	M50	FN5048-M50-V2	40	4.7
54	2	M63	FN5054-M63-V0	54	4.1	M63	FN5054-M63-V2	54	4.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 66

Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN50

Features Advanced Liquid Tight Type · Straight Type · PG

Product Photo



Nominal Conduit Size	Nominal Conduit Size	PG Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	PG Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	PG7	FN5010-PG7-V0	660	8.3	PG7	FN5010-PG7-V2	660	8.3
13	5/16	PG9	FN5013-PG9-V0	400	7.7	PG9	FN5013-PG9-V2	400	7.7
16	3/8	PG11	FN5016-PG11-V0	300	7.4	PG11	FN5016-PG11-V2	300	7.4
21	1/2	PG16	FN5021-PG16-V0	240	6.75	PG16	FN5021-PG16-V2	240	6.75
28	3/4	PG21	FN5028-PG21-V0	150	6.2	PG21	FN5028-PG21-V2	150	6.2
34	1	PG29	FN5034-PG29-V0	120	5.2	PG29	FN5034-PG29-V2	120	5.2
42	1-1/4	PG36	FN5042-PG36-V0	60	4.9	PG36	FN5042-PG36-V2	60	4.9
48	1-1/2	PG42	FN5048-PG42-V0	40	4.7	PG42	FN5048-PG42-V2	40	4.7
54	2	PG48	FN5054-PG48-V0	54	4.1	PG48	FN5054-PG48-V2	54	4.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 68

Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN53

Features Advanced Liquid Tight Type · Elbow Type · NPT

Product Photo



Nominal Conduit Size	Nominal Conduit Size	NPT Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	NPT Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	1/4"	FN5310-NPT1/4-V0	560	7.8	1/4"	FN5310-NPT1/4-V2	560	7.8
13	5/16	3/8"	FN5313-NPT3/8-V0	300	6.8	3/8"	FN5313-NPT3/8-V2	300	6.8
16	3/8	1/2"	FN5316-NPT1/2-V0	210	6.1	1/2"	FN5316-NPT1/2-V2	210	6.1
21	1/2	1/2"	FN5321-NPT1/2-V0	180	5.8	1/2"	FN5321-NPT1/2-V2	180	5.8
28	3/4	3/4"	FN5328-NPT3/4-V0	120	5.9	3/4"	FN5328-NPT3/4-V2	120	5.9
34	1	1"	FN5334-NPT1-V0	75	4.5	1"	FN5334-NPT1-V2	75	4.5
42	1-1/4	1-1/4"	FN5342-NPT1-1/4-V0	36	4.2	1-1/4"	FN5342-NPT1-1/4-V2	36	4.2
48	1-1/2	1-1/2"	FN5348-NPT1-1/2-V0	36	4.3	1-1/2"	FN5348-NPT1-1/2-V2	36	4.3
54	2	2"	FN5354-NPT2-V0	24	3.1	2"	FN5354-NPT2-V2	24	3.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 68

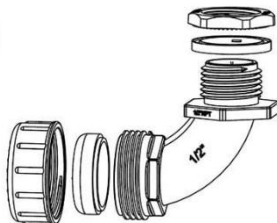
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHs Compliance, Halogen Free

Certificate cRUus (File No. E491228), CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN53

Features Advanced Liquid Tight Type · Elbow Type · M

Product Photo



Nominal Conduit Size	Nominal Conduit Size	M Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	M Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	M12	FN5310-M12-V0	560	7.8	M12	FN5310-M12-V2	560	7.8
13	5/16	M16	FN5313-M16-V0	300	6.8	M16	FN5313-M16-V2	300	6.8
16	3/8	M16	FN5316-M16-V0	210	6.1	M16	FN5316-M16-V2	210	6.1
21	1/2	M20	FN5321-M20-V0	180	5.8	M20	FN5321-M20-V2	180	5.8
28	3/4	M25	FN5328-M25-V0	120	5.9	M25	FN5328-M25-V2	120	5.9
34	1	M32	FN5334-M32-V0	75	4.5	M32	FN5334-M32-V2	75	4.5
42	1-1/4	M40	FN5342-M40-V0	36	4.2	M40	FN5342-M40-V2	36	4.2
48	1-1/2	M50	FN5348-M50-V0	36	4.3	M50	FN5348-M50-V2	36	4.3
54	2	M63	FN5354-M63-V0	24	3.1	M63	FN5354-M63-V2	24	3.1

Material PA66 (UL94 V-0), PA6 (UL94 V-2)

Temperature Range -40°C~+120°C

IP Rating IP 68

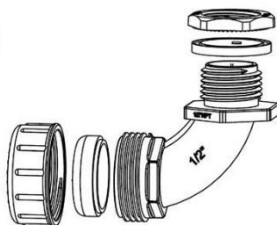
Flammability Rating UL94 V-0, UL94 V-2

UV Resistance Yes

Environmental Protection RoHS Compliance, Halogen Free

Certificate CE

Exploded View



Note 1、Standard package size : 380*300*230mm



Fittings

KAIFLEX®

Series Code FN53

Features Advanced Liquid Tight Type · Elbow Type · PG

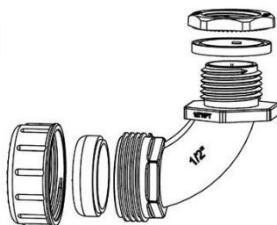
Product Photo



Nominal Conduit Size	Nominal Conduit Size	PG Thread	V0 Part Number	Package/Box (pcs)	Weight/Box (kg)	PG Thread	V2 Part Number	Package/Box (pcs)	Weight/Box (kg)
10	1/4	PG7	FN5310-PG7-V0	560	7.8	PG7	FN5310-PG7-V2	560	7.8
13	5/16	PG9	FN5313-PG9-V0	300	6.8	PG9	FN5313-PG9-V2	300	6.8
16	3/8	PG11	FN5316-PG11-V0	210	6.1	PG11	FN5316-PG11-V2	210	6.1
21	1/2	PG16	FN5321-PG16-V0	180	5.8	PG16	FN5321-PG16-V2	180	5.8
28	3/4	PG21	FN5328-PG21-V0	120	5.9	PG21	FN5328-PG21-V2	120	5.9
34	1	PG29	FN5334-PG29-V0	75	4.5	PG29	FN5334-PG29-V2	75	4.5
42	1-1/4	PG36	FN5342-PG36-V0	36	4.2	PG36	FN5342-PG36-V2	36	4.2
48	1-1/2	PG42	FN5348-PG42-V0	36	4.3	PG42	FN5348-PG42-V2	36	4.3
54	2	PG48	FN5354-PG48-V0	24	3.1	PG48	FN5354-PG48-V2	24	3.1

Material	PA66 (UL94 V-0), PA6 (UL94 V-2)
Temperature Range	-40°C~+120°C
IP Rating	IP 68
Flammability Rating	UL94 V-0, UL94 V-2
UV Resistance	Yes
Environmental Protection	RoHs Compliance, Halogen Free
Certificate	CE

Exploded View



Note 1、Standard package size : 380*300*230mm

Ordering Information Guide

KAIFLEX®

XX **X** **X** **XX** - **XX**
① **②** **③** **④** **⑥** (Apply for Round & Split Type)

XX **X** **X** **XX** **XX** - **XX**
① **②** **③** **④** **⑤** **⑥** (Apply for Braiding Type)

Apply for Conduit

① Conduit Material	② Structure	③ Classify	④ Flammability Rating	⑤ Braiding Material	⑥ Nominal Conduit Size
PA: PA6 PB: PA12 PE: PE PP: PP PU: PU	C: Fine Pitch D: Single Split F: Coarse Pitch W: Double Split	L: Light Type S: Standard Type H: Heavy Type	V0: UL94 V-0 V2: UL94 V-2 HB: UL94 HB	SB: Stainless Steel Braiding TB: Tinned Copper Braiding	10: 10 13: 13 . . 54: 54

FN **XX** **XX** - **XXX** **XXXXX** - **XX**
① **②** **③** **④** **⑤**

Apply for Fitting

① Category	② Nominal Conduit Size	③ Thread Type	④ Thread Size	⑤ Flammability Rating
01: Quick - Straight Type 02: Quick - Straight Type (Metal Thread) 03: Quick - Elbow Type 04: Quick - Elbow Type (Metal Thread) 50: Advanced Liquid Tight - Straight Type 53: Advanced Liquid Tight - Elbow Type 60: Quick Nut - Straight Type 63: Quick Nut - Elbow Type	10: 10 13: 13 . . 54: 54	NPT: NPT PG: PG M: M G: G (G Thread only apply for FN01~FN04)	1/4~2 (NPT) 7~48 (PG) 12~63 (M) 1/4~2 (G)	V0: UL94 V-0 V2: UL94 V-2

IP Coding System

KAIFLEX®

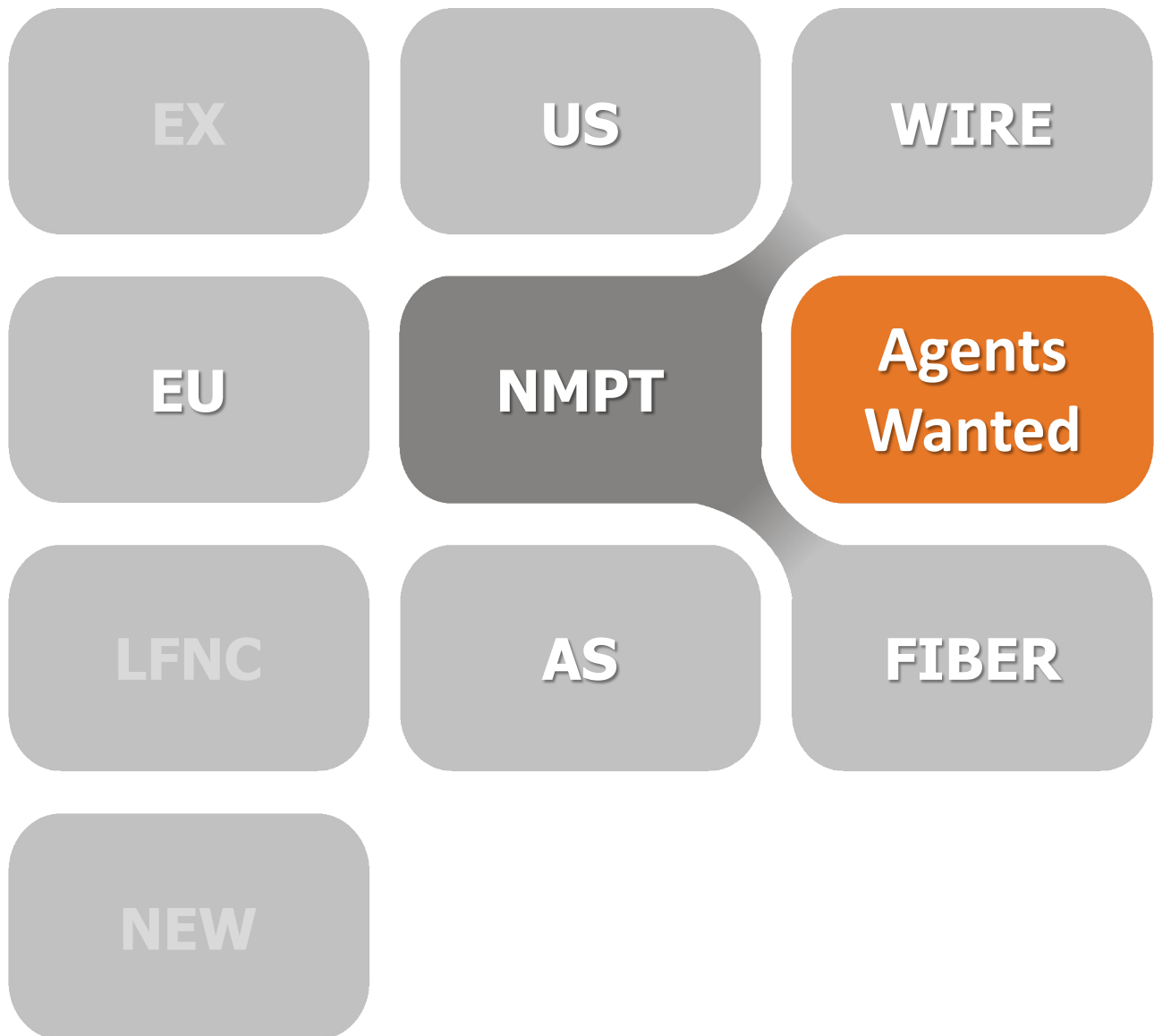
IP coding system is to indicate the degrees of protection provided by enclosures for electrical equipment against access to hazardous parts, ingress of solid objects and liquid. The greater numeral means higher protection rating.

IP XX

Solid Particle Protection	
0	No Protection
1	Protect against the object >50mm ex.: carelessly touch by hands
2	Protect against the object >12.5mm ex.: carelessly touch by fingers
3	Protect against the object >2.5mm ex.: tools, thick wires & etc.
4	Protect against the object >1.0mm ex.: most wires, thin screws, ants & etc.
5	Dust Protection. Ingress amount interfering operation is not allowed.
6	Dust tight. No ingress is allowed.

Liquid Ingress Protection	
0	No Protection
1	Protect against vertically dripping water.
2	Protect against vertically dripping water while specimen sloped at 15°.
3	Protect against spraying water at any angle up to 60° from vertical.
4	Protect against splashing water from any direction. Limit ingress is permitted.
5	Protect against water projected with low pressure from any direction. Limit ingress is permitted.
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.

KAI FLEX®



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