

Non-metallic systems

Quick Selection Guide

Quick Selection Guide - Non-metallic systems

Type	TYPE PA LIGHTWEIGHT CONDUIT	TYPE PA NEW LIGHTWEIGHT SLIT CONDUIT	TYPE PA STANDARD WEIGHT CONDUIT	TYPE PA HEAVYWEIGHT CONDUIT	TYPE PI NEW LIGHTWEIGHT CONDUIT	TYPE PI STANDARD WEIGHT CONDUIT	TYPE PI HEAVYWEIGHT CONDUIT	TYPE PR STANDARD WEIGHT CONDUIT	TYPE PADL NEW STANDARD WEIGHT CONDUIT	TYPE CP NEW MEDIUM WEIGHT CONDUIT	TYPE KF NEW MEDIUM WEIGHT DRAW-WIRED CONDUIT	TYPE KF LIGHTWEIGHT CONDUIT	TYPE KF STANDARD WEIGHT CONDUIT	TYPE KF HEAVYWEIGHT CONDUIT	TYPE PP MEDIUM WEIGHT CONDUIT	TYPE XF STANDARD WEIGHT CONDUIT	TYPE RF NEW STANDARD WEIGHT CONDUIT	TYPE PK LIGHTWEIGHT CONDUIT	TYPE PKTC LIGHTWEIGHT CONDUIT	TYPE PKSS LIGHTWEIGHT CONDUIT	TYPE PRTC STANDARD WEIGHT CONDUIT	TYPE PRSS STANDARD WEIGHT CONDUIT
Example																						
Conduit Material	PA6	PA6	PA6	PA6	Pe	PA11	PA11	PA6	PA6	CPe	PP	PVCu	PVCu	PVCu	PP	PVCu	PVCu	PK	PK	PK	PA6	PA6
Covering/Overbraid																Plasticised PVC	Plasticised PVC		Tinned Copper	Stainless Steel	Tinned Copper	Stainless Steel
IP RATING - (with appropriate fitting)	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40	IP40
IP54																						
IP65																						
IP66																						
IP67																						
IP68																						
IP69K																						
Static Temp - Min	-40 °C	-40 °C	-40 °C	-40 °C	-40 °C	-50 °C	-50 °C	-40 °C	-40 °C	-45 °C	-5 °C	-5 °C	-5 °C	-5 °C	-20 °C	-5 °C	-20 °C	-60 °C	-60 °C	-60 °C	-40 °C	-40 °C
Max	+120 °C	+120 °C	+120 °C	+120 °C	+120 °C	+110 °C	+110 °C	+120 °C	+120 °C	+135 °C	+60 °C	+60 °C	+60 °C	+60 °C	+90 °C	+60 °C	+60 °C	+260 °C	+260 °C	+260 °C	+120 °C	+120 °C
UV Resistance	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Very High	High	High	High	High	Medium	High	High	Very High	Very High	Very High	Very High	Very High
Flexibility	High	High	High	Medium	High	Very High	High	High	Medium	Very High	Medium	Pliable	Pliable	Pliable	High	Very High	Medium	High	High	High	High	High
Fatigue Life	High	High	High	Medium	High	Very High	Very High	Medium	Medium	Very High	Low	Low	Low	Low	Medium	Medium	Medium	High	High	High	Medium	Medium
Low Fire Hazard			Standard	Standard				Enhanced	Standard	Standard								Super	Super	Super	Enhanced	Enhanced
Halogen Free																						
Self Extinguishing																						
EMI Screen																			High	Standard	High	Standard
High Mechanical Strength																						
High Abrasion Resistance																						
Approvals																						
Key Application																						
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Non-metallic systems

Conduit, Fittings & Accessories

Range Overview

Adaptaflex have more than 20 different types of non metallic conduit systems all providing different technical properties for your cable management applications. Conduit is available in many different materials, ranging from lightweight to heavyweight with nominal conduit sizes from 10mm right up to the Jumbo size of 106mm.

For more demanding applications there is a wide-ranging high specification series of conduit with enhanced low fire hazard properties, EMI screening and incorporating high fatigue life. Overbraided options are available for use in abrasive environments.

Standard product is manufactured in a wide range of materials. The corrugated construction provides good flexibility and low weight. In addition a range of fittings are specifically designed to maintain system

integrity including the popular and easy to fit Adaptalok system. Fitting types are available in straight, 90°, 45°, with metric, PG, PF, & NPT threads.

Many of our conduit systems have industry recognised approvals including British Kitemark, CE Approval, UL 1696, NF, LUL, DB, Lloyds Register amongst others.

Advantages

- Non metallic conduits do not corrode (rust)
- Lighter in weight
- Quicker to install (cut & assemble fittings)
- Wider variety of fittings - much larger solutions choice
- Better fatigue life
- Return to shape

System approvals available:



Adaptalok ATS™

The ultimate & unique fitting from Adaptaflex - See page 24



Ranges include:

ADAPTALOK
SYSTEM

HI-SPEC
SYSTEMS

ADAPTARING
SYSTEM

KORFIT
SYSTEM

ADAPTASEAL
SYSTEM

XTRAFLEX
SYSTEM

Non-metallic systems

TYPE PA, & PI Non-metallic conduit



PRODUCT CHARACTERISTICS

To order quote part no, colour & reel length - e.g. PAFL13/BL/50M

Type

Description

Materials

Example

TYPE PA

LIGHTWEIGHT CONDUIT

Polyamide (Nylon) 6
Colour Black (BL) & Grey (GR).



TYPE PA

LIGHTWEIGHT SLIT CONDUIT

Polyamide (Nylon) 6
Colour Black (BL) only.



TYPE PA

STANDARD WEIGHT CONDUIT

Polyamide (Nylon) 6
Colour Black (BL) & Grey (GR).



TYPE PA

HEAVYWEIGHT CONDUIT

Polyamide (Nylon) 6
Colour Black (BL) & Grey (GR).



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)	CONDUIT PITCH	F = FINE (C = COARSE)
10	10.0	8.5	F	
13	13.0	10.0	F	
16	15.8	13.0	F	
21	21.2	17.0	F	
21	21.2	17.0	C	
28	28.5	23.0	F	
28	28.5	23.0	C	
34	34.5	29.0	F	
34	34.5	29.0	C	
42	42.5	36.0	C	
54	54.5	48.0	C	
80	79.3	70.0	C	
106	106.0	95.0	C	

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
PAFL13	10.0	25	50
PAFL16	11.9	35	50
PAFL21	16.8	45	50
-	-	-	-
-	-	-	-
PACL28	22.2	50	50
-	-	-	-
PACL34	27.9	60	50
PACL42	35.2	65	25
PACL54	46.9	75	25
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
PAFL13-S	10.0	25	50
PAFL16-S	11.9	35	50
PAFL21-S	16.8	45	50
-	-	-	-
-	-	-	-
PACL28-S	22.2	50	50
-	-	-	-
PACL34-S	27.9	60	50
PACL42-S	35.2	65	25
PACL54-S	46.9	75	25
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)	REEL LENGTH (m)
PAFS10	6.5	15	50	50
PAFS13	9.6	25	50	50
PAFS16	11.8	35	10, 25, 50	50
PAFS21	16.5	45	10, 25, 50	50
-	-	-	-	-
PAFS28	22.6	50	10, 25, 50	50
PACS28	21.7	50	10, 25, 50	50
PAFS34	28.8	60	10, 25, 50	50
PACS34	27.7	60	10, 25, 50	50
PACS42	35.2	65	10, 25	25
PACS54	46.5	75	10, 25	25
PACS80	67.0	160	10	10
PACS106	91.5	210	10	10

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
PAFH13	9.0	35	50
PAFH16	11.3	45	50
-	-	-	-
PACH21	14.5	60	50
-	-	-	-
PACH28	21.3	70	50
-	-	-	-
PACH34	26.8	75	50
PACH42	34.6	90	25
PACH54	46.0	95	25
-	-	-	-
-	-	-	-

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

UV Resistance

Flexibility & Fatigue Life

Fire Performance & EMI Screen

Approvals

System Applications

For use with following fittings;
Adaptalok, ATS, Adapting & Adaptaseal

Adapting Fittings

n/a

Adaptalok, ATS or Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

Very High

High Flexibility - High Fatigue Life

Self Extinguishing
Halogen Free



Machinery (Low mechanical protection)
Buildings (No fire risk)

For use with following fittings;
Adapting

n/a

n/a

n/a

n/a

n/a

n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

Very High

High Flexibility - High Fatigue Life

Self Extinguishing
Halogen Free



Retrofit Protection

For use with following fittings;
Adaptalok, ATS, Adapting, Adaptaseal & Jumbo

Adapting & Jumbo Fittings

Jumbo Fittings + SK Seal

Adaptalok, ATS or Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

Adaptalok Fittings + ALS Seal or ATS

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

Very High

High Flexibility - High Fatigue Life



Machinery
Public Buildings
Rail

For use with following fittings;
Adaptalok, ATS, Adapting & Adaptaseal

Adapting Fittings

n/a

Adaptalok, ATS or Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

Very High

Medium Flexibility - Medium Fatigue Life



Rail
Underground
Heavy Industrial



PRODUCT CHARACTERISTICS

Type

Description

Materials

Example

TYPE PI

LIGHTWEIGHT CONDUIT

Polyester
Colour Black (BL) only.



TYPE PI

STANDARD WEIGHT CONDUIT

Modified Polyamide 11
Colour Black (BL) & Grey (GR).



TYPE PI

HEAVYWEIGHT CONDUIT

Modified Polyamide 11
Colour Black (BL) only.



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)	CONDUIT PITCH F = FINE (= COARSE)
10	10.0	8.5	F
13	13.0	10.0	F
16	15.8	13.0	F
21	21.2	17.0	F
21	21.2	17.0	C
28	28.5	23.0	C
34	34.5	29.0	C
42	42.5	36.0	C
54	54.5	48.0	C
80	79.3	70.0	C
106	106.0	95.0	C

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
PIFL13	10.0	25	50
PIFL16	11.9	30	50
PIFL21	16.8	35	50
-	-	-	-
PICL28	22.2	45	50
PICL34	27.9	55	25
PICL42	35.7	60	25
PICL54	46.9	70	25
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
PIFS10	6.2	15	50
PIFS13	9.9	25	50
PIFS16	11.7	30	50
PIFS21	16.6	35	50
-	-	-	-
PICS28	21.7	45	50
PICS34	27.7	55	25
PICS42	35.5	60	25
PICS54	46.6	70	25
PICS80	67.0	160	10
PICS106	91.0	210	10

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
PIFH13	9.7	30	50
PIFH16	11.5	35	50
-	-	-	-
PICH21	15.3	40	50
PICH28	21.5	50	50
PICH34	27.5	60	25
PICH42	35.3	65	25
PICH54	46.4	75	25
-	-	-	-
-	-	-	-

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

UV Resistance

Flexibility & Fatigue Life

Fire Performance & EMI Screen

Approvals

System Applications

For use with following fittings;
Adaptalok, ATS, Adaptaring & Adaptaseal

Adaptaring Fittings

n/a

Adaptalok or Adaptaseal Fittings

Adaptalok + ALS Seal or Adaptaseal Fittings

Adaptalok + ALS Seal or Adaptaseal Fittings

n/a

Static Applications: -25 °C to +120 °C
Moving Applications: -5 °C to +105 °C

Very High

High Flexibility - High Fatigue Life

Self Extinguishing
Halogen Free



Robots
Continual Flexing Applications

For use with following fittings;
Adaptalok, ATS, Adaptaring, Adaptaseal & Jumbo

Adaptaring & Jumbo Fittings

Jumbo Fittings + SK Seal

Adaptalok, ATS or Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

Adaptalok Fittings + ALS Seal or ATS

Static Applications: -50 °C to +110 °C
Moving Applications: -45 °C to +120 °C

Very High

Very High Flexibility - Very High Fatigue Life

Self Extinguishing
Halogen Free



NF

Rail
Robots
Low Temperature Flexing

For use with following fittings;
Adaptalok, ATS, Adaptaring & Adaptaseal

Adaptaring Fittings

n/a

Adaptalok, ATS or Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

Adaptalok + ALS Seal or ATS, Adaptaseal Fittings

n/a

Static Applications: -50 °C to +110 °C
Moving Applications: -45 °C to +120 °C

Very High

High Flexibility - Very High Fatigue Life

Self Extinguishing
Halogen Free



NF

Rail
High Impact Resistance
Low Temperature Flexing

Non-metallic systems

TYPE PR, PADL & CP Non-metallic conduit

PRODUCT CHARACTERISTICS

Type

Description

Materials

Example

TYPE PR

STANDARD WEIGHT CONDUIT

Modified Polyamide (Nylon) 6
Colour Black (BL) only.



TYPE CP

MEDIUM WEIGHT CONDUIT

Polyester
Colour Black (BL) only.



TYPE PADL

STANDARD WEIGHT CONDUIT

Modified Polyamide (Nylon) 6
Colour Black (BL) only.



TYPE A - ADAPTALOK

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into threaded entries & knockouts.

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR).



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)	CONDUIT PITCH	F = FINE, C = COARSE
13	13.0	10.0	F	
16	15.8	13.0	F	
17	17.8	17.0	C	
21	21.2	17.0	F	
21	21.2	17.0	C	
22	21.8	20.0	C	
28	28.5	23.0	C	
34	34.5	29.0	C	
42	42.5	36.0	C	
54	54.5	48.0	C	
80	79.3	70.0	C	
106	106.0	95.0	C	

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
PRFS13	9.4	35	50
PRFS16	11.7	45	50
PRFS21	16.6	60	50
PRCS21	14.7	60	50
-	-	-	-
PRCS28	21.7	70	50
PRCS34	27.7	75	50
PRCS42	35.1	90	25
PRCS54	46.6	95	25
PRCS80	67.3	180	10
PRCS106	91.0	240	10

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
CPFM13	9.5	25	50
CPFM16	11.3	30	50
-	-	-	-
CPFM21	16.0	35	50
-	-	-	-
CPCM28	21.3	45	50
CPCM34	27.2	55	50
CPCM42	34.2	60	25
CPCM54	46.0	70	25
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
-	-	-	-
-	-	-	-
PADL17	13.5	45	50
-	-	-	-
-	-	-	-
PADL22	16.6	60	50
PADL28	22.6	70	25, 50
PADL34	27.7	75	25, 50
PADL42	35.2	80	10, 25
-	-	-	-
-	-	-	-
-	-	-	-

NOMINAL CONDUIT SIZE (mm)	NPT THREAD	PART NUMBER
17	1/2	ALD17/050/A
22	1/2	ALD22/050/A
28	3/4	ALD28/075/A
34	1	ALD34/100/A
42	1 1/4	ALD42/125/A

For use only with PADL conduit, to maintain the UL 1696 approval

TYPE C90 - ADAPTALOK

90° ELBOW FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut.

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR) .



NOMINAL CONDUIT SIZE (mm)	NPT THREAD	PART NUMBER
17	1/2	ALD17/050/C90
22	1/2	ALD22/050/C90
28	3/4	ALD28/075/C90
34	1	ALD34/100/C90
42	1 1/4	ALD42/125/C90

For use only with PADL conduit, to maintain the UL 1696 approval

Note.
Other fittings available. Contact our Sales Office for further details.

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

UV Resistance

Flexibility & Fatigue Life

Fire Performance & EMI Screen

Approvals

System Applications

For use with following fittings;
Adaptalok, ATS, Adaptaring, Adaptaseal & Jumbo

Adaptaring & Jumbo Fittings

Jumbo Fittings + SK Seal

Adaptalok or Adaptaseal Fittings

Adaptalok + ALS Seal or Adaptaseal Fittings

Adaptalok + ALS Seal or Adaptaseal Fittings

Adaptalok Fittings + ALS Seal

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

Very High

High Flexibility - Medium Fatigue Life



Railways
Underground
Public Buildings

For use with following fittings;
Adaptalok, ATS & Adaptaseal

n/a

n/a

Adaptalok or Adaptaseal Fittings

Adaptalok Fittings + ALS Seal & Adaptaseal Fittings

Adaptalok Fittings + ALS Seal & Adaptaseal

Adaptalok Fittings + ALS Seal

Static Applications: -50 °C to +135 °C
Moving Applications: -25 °C to +150 °C

Very High

Very High Flexibility - Very High Fatigue Life



Railways
Underground
Public Buildings

For use with following fittings;
Adaptalok Type ALD & ATS

n/a

n/a

Type ALD or ATS Fittings

Type ALD + ALS Seal ATS Fittings

Type ALD + ALS Seal ATS Fittings

Type ALD + ALS Seal ATS Fittings

Static Applications: -40 °C to +120 °C
Moving Applications: -18 °C to +120 °C

Very High

Medium Flexibility - Medium Fatigue Life



Machinery
Public Buildings

Adaptalok non-metallic system

ONE-PIECE PUSH-ON LIQUID TIGHT IP66 FITTINGS

PRODUCT CHARACTERISTICS

Type

TYPE A - ADAPTALOK

Description

STRAIGHT FITTING - FIXED EXTERNAL THREAD

For insertion into threaded entries & knockouts. Locknut supplied with METRIC THREAD ONLY

Materials

Polyamide (Nylon) 66

Colour Black (BL) & Grey (GR).

Example



NOMINAL CONDUIT
SIZE (mm)

	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER	PF THREAD	PART NUMBER	NPT THREAD	PART NUMBER
10	M12	AL10/M12/A	PG7	AL10/PG7/A	1/4	AL10/PF025/A	-	-
10	-	-	PG9	AL10/PG9/A	-	-	-	-
13	M16	AL13/M16/A	PG9	AL13/PG9/A	3/8	AL13/PF038/A	3/8	AL13/038/A
13	M20	AL13/M20/A	PG11	AL13/PG11/A	-	-	-	-
13	-	-	PG13.5	AL13/PG13/A	-	-	-	-
16	M16	AL16/M16/A	PG9	AL16/PG9/A	3/8	AL16/PF038/A	3/8	AL16/038/A
16	M20	AL16/M20/A	PG11	AL16/PG11/A	1/2	AL16/PF050/A	1/2	AL16/050/A
16	-	-	PG13.5	AL16/PG13/A	-	-	-	-
16	-	-	PG16	AL16/PG16/A	-	-	-	-
21	M20	AL21/M20/A	PG11	AL21/PG11/A	1/2	AL21/PF050/A	1/2	AL21/050/A
21	-	-	PG13.5	AL21/PG13/A	-	-	-	-
21	M25	AL21/M25/A	PG16	AL21/PG16/A	-	-	-	-
28	M25	AL28/M25/A	PG21	AL28/PG21/A	3/4	AL28/PF075/A	3/4	AL28/075/A
28	M32	AL28/M32/A	-	-	-	-	-	-
34	M32	AL34/M32/A	PG29	AL34/PG29/A	1	AL34/PF100/A	1	AL34/100/A
34	M40	AL34/M40/A	-	-	-	-	-	-
42	M40	AL42/M40/A	PG36	AL42/PG36/A	1 1/4	AL42/PF125/A	1 1/4	AL42/125/A
42	M50	AL42/M50/A	-	-	-	-	-	-
54	M50	AL54/M50/A	PG48	AL54/PG48/A	1 1/2	AL54/PF150/A	1 1/2	AL54/150/A
54	M63	AL54/M63/A	-	-	2	AL54/PF200/A	-	-

IP Rating with
appropriate fitting

IP40

n/a

IP65

n/a

IP66

Type PA, PI, CP & PR conduit

IP67

Type PA, PI, CP & PR conduit + ALS Seal

IP68

Type PA, PI, CP & PR conduit + ALS Seal

NEW IP69k

Type PA, PI, CP & PR conduit + ALS Seal

Temperature Range

Static Applications: -50 °C to +120 °C

Moving Applications: -45 °C to +120 °C

Fitting Characteristics



Approvals



To order quote part no & colour - e.g. AL10/M12/A/BL

TYPE C90 - ADAPTALOK

90 ° ELBOW FITTING - FIXED EXTERNAL THREAD

For insertion into knockouts using a locknut. Locknut supplied with METRIC THREAD ONLY

Polyamide (Nylon) 66

Colour Black (BL) & Grey (GR) .



METRIC THREAD

	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER	PF THREAD	PART NUMBER	NPT THREAD	PART NUMBER
M12	AL10/M12/C90	PG7	AL10/PG7/C90	-	-	-	-	-
M16	AL13/M16/C90	PG9	AL13/PG9/C90	3/8	AL13/PF038/C90	3/8	AL13/038/C90	-
-	-	-	-	-	-	-	-	-
M16	AL16/M16/C90	PG9	AL16/PG9/C90	3/8	AL16/PF038/C90	3/8	AL16/038/C90	-
M20	AL16/M20/C90	PG11	AL16/PG11/C90	1/2	AL16/PF050/C90	1/2	AL16/050/C90	-
-	-	PG13.5	AL16/PG13/C90	-	-	-	-	-
-	-	-	-	-	-	-	-	-
M20	AL21/M20/C90	PG13.5	AL21/PG13/C90	1/2	AL21/PF050/C90	1/2	AL21/050/C90	-
-	-	PG16	AL21/PG16/C90	-	-	-	-	-
-	-	-	-	-	-	-	-	-
M25	AL28/M25/C90	PG21	AL28/PG21/C90	3/4	AL28/PF075/C90	3/4	AL28/075/C90	-
M32	AL34/M32/C90	PG29	AL34/PG29/C90	1	AL34/PF100/C90	1	AL34/100/C90	-
-	-	-	-	-	-	-	-	-
M40	AL42/M40/C90	PG36	AL42/PG36/C90	1 1/4	AL42/PF125/C90	1 1/4	AL42/125/C90	-
-	-	-	-	-	-	-	-	-
M50	AL54/M50/C90	PG48	AL54/PG48/C90	1 1/2	AL54/PF150/C90	1 1/2	AL54/150/C90	-
M63	AL54/M63/C90	-	-	2	AL54/PF200/C90	2	AL54/200/C90	-

For use with following conduit;

Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C

Moving Applications: -45 °C to +120 °C



Adaptalok non-metallic system

ONE-PIECE PUSH-ON LIQUID TIGHT IP66 FITTINGS

PRODUCT CHARACTERISTICS

To order quote part no & colour - e.g. AL13/M16/45/GR

Type
Description
Materials
Example

TYPE 45 - ADAPTALOK

45° ELBOW FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut.
Locknut supplied with METRIC THREAD ONLY

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR) .



PUSH-IN - ADAPTALOK

STRAIGHT - ONE PIECE COUPLER
Inserts into a 20mm knock-out, panel thickness up to 4mm, no locknut required

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR) .



3-WAY COUPLER

3-WAY PA66 FITTING
For coupling to corrugated flexible conduit

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR) .



INSERT SEAL

IP67/68/69k INSERT SEAL
Suitable for standard weight PA/PI/PR conduit Black or Grey.

Thermoplastic Elastomer
Colour Yellow (Y) only.



NOMINAL CONDUIT SIZE (mm)

13
16
16
17
21
21
22
28
34
42
54
54

METRIC THREAD

PART NUMBER

PG THREAD

PART NUMBER

M16	AL13/M16/45	PG9	AL13/PG9/45
M16	AL16/M16/45	PG11	AL16/PG11/45
M20	AL16/M20/45	PG13.5	AL16/PG13/45
-	-	-	-
M20	AL21/M20/45	PG13.5	AL21/PG13/45
-	-	PG16	AL21/PG16/45
-	-	-	-
M25	AL28/M25/45	PG21	AL28/PG21/45
M32	AL34/M32/45	PG29	AL34/PG29/45
M40	AL42/M40/45	PG36	AL42/PG36/45
M50	AL54/M50/45	PG48	AL54/PG48/45
M63	AL54/M63/45	-	-

PART NUMBER

-
-
AL16/KM20/A
-
AL21/KM20/A
-
-
-
-
-
-

NOMINAL CONDUIT SIZE COMBINATION

PART NUMBER

13X10X10	AL131010/Y
-	-
16X13X13	AL161313/Y
-	-
21X16X16	AL211616/Y
-	-
-	-
28X21X21	AL282121/Y
-	-
-	-
-	-
-	-

CONDUIT PITCH
F = FINE C = COARSE

PART NUMBER

F	ALS13/F
F	ALS16/F
F	ALS16/F
C	ALS17/C
F	ALS21/F
F	ALS21/F
C	ALS22/C
C	ALS28/C
C	ALS34/C
C	ALS42/C
C	ALS54/C
C	ALS54/C

Note.

Seal needs to be inserted into the appropriate conduit to upgrade fitting system

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

Fitting Characteristics

For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



NF

CE

DB

For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

n/a

n/a

n/a

n/a

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



NF

CE

DB

For use with following fittings;
Adaptalok

n/a

n/a

n/a

Adaptalok Fittings

Adaptalok Fittings (1.1 bar 35mins)

Adaptalok Fittings (DIN 40050)

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C





PRODUCT CHARACTERISTICS

Type	TYPE FL/A - ADAPTALOK	TYPE FL/C90 - ADAPTALOK	TYPE FL/45 - ADAPTALOK	SWIVEL COUPLER
Description	STRAIGHT PANEL MOUNTING SWIVEL FLANGE with integral face seal.	90° ELBOW BODY - PANEL MOUNT FLANGE For panel mounting via 2 hole fixing & integral face seal.	45° PANEL MOUNTING SWIVEL FLANGE with integral face seal.	STRAIGHT PA66 BODY - SWIVEL COUPLER For coupling to corrugated flexible conduit.
Materials	Polyamide (Nylon) 66 Colour Black (BL) & Grey (GR) .	Polyamide (Nylon) 66 Colour Black (BL) & Grey (GR) .	Polyamide (Nylon) 66 Colour Black (BL) & Grey (GR) .	Polyamide (Nylon) 66 + Aluminium Colour Black (BL) only.
Example				
NOMINAL CONDUIT SIZE (mm)	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
13	-	AL13/FL/C90	-	AL13-AL13/A/000040
16	AL16/FL/A	AL16/FL/C90	AL16/FL/45	AL16-AL16/A/000040
21	AL21/FL/A	AL21/FL/C90	AL21/FL/45	AL21-AL21/A/000040
28	AL28/FL/A	AL28/FL/C90	AL28/FL/45	AL28-AL28/A/000040
34	-	AL34/FL/90*	-	AL34-AL34/A/000040
42	-	AL42/FL/90*	-	AL42-AL42/A/000040
54	AL54/FL/A	AL54/FL/90*	AL54/FL/45	AL54-AL54/A/006540
		*TYPE FL/90 - ADAPTALOK 90° ELBOW FITTING - PANEL MOUNT FLANGE For panel mounting via 4 hole fixing & integral face seal.		
				

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

Fitting Characteristics

Approvals

For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



ONLY
FL/C90



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

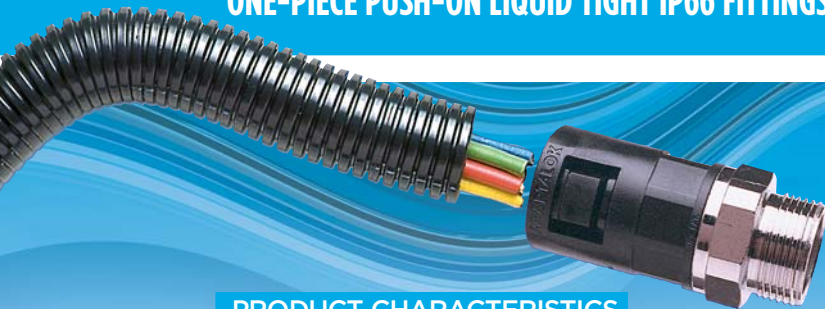
Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



Adaptalok non-metallic system

ONE-PIECE PUSH-ON LIQUID TIGHT IP66 FITTINGS WITH SWIVEL BRASS THREADS



PRODUCT CHARACTERISTICS

Type

TYPE SA - ADAPTALOK

Description

STRAIGHT FITTING - SWIVEL EXTERNAL MALE THREAD
For insertion into threaded entries & knockouts.

Materials

Polyamide (Nylon) 66. Nickel plated brass thread.
Colour Black (BL) & Grey (GR).

Example



NOMINAL CONDUIT
SIZE (mm)

	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
13	M16	AL13/M16/SA/	PG9	AL13/PG9/SA/
16	M16	AL16/M16/SA/	PG11	AL16/PG11/SA/
21	M20	AL21/M20/SA/	PG13.5	AL21/PG13/SA/
21	-	-	PG16	AL21/PG16/SA/
28	M25	AL28/M25/SA/	PG21	AL28/PG21/SA/
34	M32	AL34/M32/SA/	PG29	AL34/PG29/SA/
42	M40	AL42/M40/SA/	PG36	AL42/PG36/SA/
54	M50	AL54/M50/SA/	PG48	AL54/PG48/SA/
54	M63	AL54/M63/SA/	-	-

TYPE CS90 - ADAPTALOK

90° ELBOW FITTING - SWIVEL EXTERNAL MALE THREAD
For insertion into threaded entries & knockouts.

Polyamide (Nylon) 66. Nickel plated brass thread.
Colour Black (BL) & Grey (GR).



METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
M16	AL13/M16/CS90/	PG9	AL13/PG9/CS90/
M16	AL16/M16/CS90/	PG11	AL16/PG11/CS90/
M20	AL21/M20/CS90/	PG13.5	AL21/PG13/CS90/
-	-	PG16	AL21/PG16/CS90/
M25	AL28/M25/CS90/	PG21	AL28/PG21/CS90/
M32	AL34/M32/CS90/	PG29	AL34/PG29/CS90/
M40	AL42/M40/CS90/	PG36	AL42/PG36/CS90/
M50	AL54/M50/CS90/	PG48	AL54/PG48/CS90/
M63	AL54/M63/CS90/	-	-

TYPE S45 - ADAPTALOK

45° ELBOW BODY - SWIVEL EXTERNAL MALE THREAD
For insertion into threaded entries & knockouts.

Polyamide (Nylon) 66. Nickel plated brass thread.
Colour Black (BL) & Grey (GR).



METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
M16	AL13/M16/S45/	PG9	AL13/PG9/S45/
M16	AL16/M16/S45/	PG11	AL16/PG11/S45/
M20	AL21/M20/S45/	PG13.5	AL21/PG13/S45/
-	-	PG16	AL21/PG16/S45/
M25	AL28/M25/S45/	PG21	AL28/PG21/S45/
M32	AL34/M32/S45/	PG29	AL34/PG29/S45/
M40	AL42/M40/S45/	PG36	AL42/PG36/S45/
M50	AL54/M50/S45/	PG48	AL54/PG48/S45/
M63	AL54/M63/S45/	-	-

To order quote part no & colour - e.g. AL13/M16/SA/GR

IP Rating with
appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

Fitting Characteristics

For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C





PRODUCT CHARACTERISTICS

Type

TYPE SFA - ADAPTALOK

Description

STRAIGHT BODY - SWIVEL INTERNAL FEMALE THREAD
For attachment to external threads & other fittings.

Materials

Polyamide (Nylon) 66. Nickel plated brass thread.
Colour Black (BL) & Grey (GR).

Example



NOMINAL CONDUIT SIZE (mm)

	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
13	M16	AL13/M16/SFA/	PG9	AL13/PG9/SFA/
16	M16	AL16/M16/SFA/	PG11	AL16/PG11/SFA/
21	M20	AL21/M20/SFA/	PG13.5	AL21/PG13/SFA/
21	-	-	PG16	AL21/PG16/SFA/
28	M25	AL28/M25/SFA/	PG21	AL28/PG21/SFA/
34	M32	AL34/M32/SFA/	PG29	AL34/PG29/SFA/
42	M40	AL42/M40/SFA/	PG36	AL42/PG36/SFA/
54	M50	AL54/M50/SFA/	PG48	AL54/PG48/SFA/
54	M63	AL54/M63/SFA/	-	-

TYPE CSF90 - ADAPTALOK

90° ELBOW FITTING - SWIVEL INTERNAL FEMALE THREAD
For attachment to external threads & other fittings.

Polyamide (Nylon) 66. Nickel plated brass thread.
Colour Black (BL) & Grey (GR).



METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
M16	AL13/M16/CSF90/	PG9	AL13/PG9/CSF90/
M16	AL16/M16/CSF90/	PG11	AL16/PG11/CSF90/
M20	AL21/M20/CSF90/	PG13.5	AL21/PG13/CSF90/
-	-	PG16	AL21/PG16/CSF90/
M25	AL28/M25/CSF90/	PG21	AL28/PG21/CSF90/
M32	AL34/M32/CSF90/	PG29	AL34/PG29/CSF90/
M40	AL42/M40/CSF90/	PG36	AL42/PG36/CSF90/
M50	AL54/M50/CSF90/	PG48	AL54/PG48/CSF90/

TYPE SF45 - ADAPTALOK

45° ELBOW BODY - SWIVEL INTERNAL FEMALE THREAD
For attachment to external threads & other fittings.

Polyamide (Nylon) 66. Nickel plated brass thread.
Colour Black (BL) & Grey (GR).



METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
M16	AL13/M16/SF45/	PG9	AL13/PG9/SF45/
M16	AL16/M16/SF45/	PG11	AL16/PG11/SF45/
M20	AL21/M20/SF45/	PG13.5	AL21/PG13/SF45/
-	-	PG16	AL21/PG16/SF45/
M25	AL28/M25/SF45/	PG21	AL28/PG21/SF45/
M32	AL34/M32/SF45/	PG29	AL34/PG29/SF45/
M40	AL42/M40/SF45/	PG36	AL42/PG36/SF45/
M50	AL54/M50/SF45/	PG48	AL54/PG48/SF45/

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Temperature Range

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C

Fitting Characteristics



Approvals



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal



Adaptalok non-metallic system

UNEF CIRCULAR CONNECTOR FITTINGS (MIL C 5015)

PRODUCT CHARACTERISTICS

Type

Description

Materials

Example

TYPE A - ADAPTALOK

STRAIGHT BODY - SWIVEL INTERNAL THREAD
For coupling to UNEF circular connectors.

Polyamide (Nylon) 66 & Aluminium
Colour Black (BL) only.



TYPE C90 - ADAPTALOK

90° ELBOW BODY - SWIVEL INTERNAL THREAD
For coupling to UNEF circular connectors.

Polyamide (Nylon) 66 & Aluminium
Colour Black (BL) only.



TYPE 45 - ADAPTALOK

45° ELBOW BODY - SWIVEL INTERNAL THREAD
For coupling to UNEF circular connectors.

Polyamide (Nylon) 66 & Aluminium
Colour Black (BL) only.



NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNEF THREAD

PART NUMBER

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNEF THREAD

PART NUMBER

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNEF THREAD

PART NUMBER

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNEF THREAD

PART NUMBER

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNEF THREAD

PART NUMBER

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNEF THREAD

PART NUMBER

13 1/8" - 24
13 1/4" - 20
13 1/2" - 20
16 3/8" - 24
16 1/2" - 20
16 3/4" - 20
16 15/16" - 20
16 1" - 20
16 1 1/8" - 18
16 1 1/4" - 18
21 1/4" - 20
21 1/2" - 20
21 1" - 20
21 1 1/8" - 18
21 1 1/4" - 18
21 1 1/2" - 18
21 1 3/4" - 18
21 1 5/8" - 18
21 1 7/8" - 18
21 1 3/4" - 18

AL13/U063/A/
AL13/U075/A/
AL13/U088/A/
AL16/U063/A/
AL16/U075/A/
AL16/U081/A/
AL16/U088/A/
AL16/U094/A/
AL16/U100/A/
AL16/U119/A/
AL16/U131/A/
AL21/U075/A/
AL21/U088/A/
AL21/U094/A/
AL21/U100/A/
AL21/U113/A/
AL21/U119/A/
AL21/U131/A/
AL21/U138/A/

21 1 1/8" - 18
21 1 1/4" - 18
28 1 1/8" - 20
28 15/16" - 20
28 1" - 20
28 1 1/8" - 18
28 1 1/4" - 18
28 1 1/2" - 18
28 1 3/4" - 18
28 1 5/8" - 18
28 1 7/8" - 18
28 2" - 18
28 2 1/4" - 18
34 1" - 20
34 1 1/8" - 18
34 1 1/4" - 18
34 1 1/2" - 18
34 1 3/4" - 18
34 2" - 18
42 1 1/4" - 18
42 2" - 18

AL21/U144/A/
AL21/U175/A/
AL28/U088/A/
AL28/U094/A/
AL28/U100/A/
AL28/U119/A/
AL28/U138/A/
AL28/U144/A/
AL28/U175/A/
AL28/U200/A/
AL28/U225/A/
AL34/U100/A/
AL34/U119/A/
AL34/U144/A/
AL34/U175/A/
AL34/U200/A/
AL42/U175/A/
AL42/U200/A/

13 5/8" - 24
13 3/4" - 20
13 1 1/8" - 20
16 3/8" - 24
16 1/2" - 20
16 3/4" - 20
16 15/16" - 20
16 1" - 20
16 1 1/8" - 18
16 1 1/4" - 18
16 1 1/2" - 18
16 1 3/4" - 18
21 1/4" - 20
21 1/2" - 20
21 1" - 20
21 1 1/8" - 18
21 1 1/4" - 18
21 1 1/2" - 18
21 1 3/4" - 18
21 1 5/8" - 18
21 1 7/8" - 18
21 1 3/4" - 18

AL13/U063/C90/
AL13/U075/C90/
AL13/U088/C90/
AL16/U063/C90/
AL16/U075/C90/
AL16/U081/C90/
AL16/U088/C90/
AL16/U094/C90/
AL16/U100/C90/
AL16/U119/C90/
AL16/U131/C90/
AL21/U075/C90/
AL21/U088/C90/
AL21/U094/C90/
AL21/U100/C90/
AL21/U113/C90/
AL21/U119/C90/
AL21/U131/C90/
AL21/U138/C90/

21 1 1/8" - 18
21 1 1/4" - 18
28 1 1/8" - 20
28 15/16" - 20
28 1" - 20
28 1 1/8" - 18
28 1 1/4" - 18
28 1 1/2" - 18
28 1 3/4" - 18
28 2" - 18
28 2 1/4" - 18
34 1" - 20
34 1 1/8" - 18
34 1 1/4" - 18
34 1 1/2" - 18
34 1 3/4" - 18
34 2" - 18
42 1 1/4" - 18

AL21/U144/C90/
AL21/U175/C90/
AL28/U088/C90/
AL28/U094/C90/
AL28/U100/C90/
AL28/U119/C90/
AL28/U138/C90/
AL28/U144/C90/
AL28/U175/C90/
AL28/U200/C90/
AL28/U225/C90/
AL34/U100/C90/
AL34/U119/C90/
AL34/U144/C90/
AL34/U175/C90/
AL34/U200/C90/
AL42/U175/C90/
AL42/U200/C90/

13 5/8" - 24
13 3/4" - 20
13 1 1/8" - 20
16 3/8" - 24
16 1/2" - 20
16 3/4" - 20
16 15/16" - 20
16 1" - 20
16 1 1/8" - 18
16 1 1/4" - 18
16 1 1/2" - 18
16 1 3/4" - 18
21 1/4" - 20
21 1/2" - 20
21 1" - 20
21 1 1/8" - 18
21 1 1/4" - 18
21 1 1/2" - 18
21 1 3/4" - 18
21 1 5/8" - 18
21 1 7/8" - 18
21 1 3/4" - 18

AL13/U063/45/
AL13/U075/45/
AL13/U088/45/
AL16/U063/45/
AL16/U075/45/
AL16/U081/45/
AL16/U088/45/
AL16/U094/45/
AL16/U100/45/
AL16/U119/45/
AL16/U131/45/
AL21/U075/45/
AL21/U088/45/
AL21/U094/45/
AL21/U100/45/
AL21/U113/45/
AL21/U119/45/
AL21/U131/45/
AL21/U138/45/

21 1 1/8" - 18
21 1 1/4" - 18
28 1 1/8" - 20
28 15/16" - 20
28 1" - 20
28 1 1/8" - 18
28 1 1/4" - 18
28 1 1/2" - 18
28 1 3/4" - 18
28 2" - 18
28 2 1/4" - 18
34 1" - 20
34 1 1/8" - 18
34 1 1/4" - 18
34 1 1/2" - 18
34 1 3/4" - 18
34 2" - 18
42 1 1/4" - 18

AL21/U144/45/
AL21/U175/45/
AL28/U088/45/
AL28/U094/45/
AL28/U100/45/
AL28/U119/45/
AL28/U138/45/
AL28/U144/45/
AL28/U175/45/
AL28/U200/45/
AL28/U225/45/
AL34/U100/45/
AL34/U119/45/
AL34/U144/45/
AL34/U175/45/
AL34/U200/45/
AL42/U175/45/
AL42/U200/45/

IP Rating with
appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

Fitting Characteristics

For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Type PA, PI, CP & PR conduit + ALS Seal

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



Jumbo non-metallic system

CLIP TOGETHER IP40 FITTINGS

PRODUCT CHARACTERISTICS

Type
Description
Materials
Example

TYPE FL/A - ADAPTALOK

STRAIGHT PANEL MOUNTING SWIVEL FLANGE
with integral face seal.

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR).



NOMINAL CONDUIT
SIZE (mm)

80
106

PART
NUMBER

ADC80/FL/A
ADC106/FL/A

TYPE CP/90 COUPLER

90° COUPLER
For coupling to corrugated flexible conduit.

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR).



PART
NUMBER

ADC80/CP/90
ADC106/CP/90

TYPE FL/90 - ADAPTALOK

90° JUMBO FLANGE
with integral face seal.

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR).



PART
NUMBER

ADC80/FL/90
ADC106/FL/90

TYPE SK

SEALING KIT
For use with JUMBO Fittings to achieve IP65.
Consists of 2 sealing washers & 'O' rings per kit.

Rubber
Colour Black (BL) only.



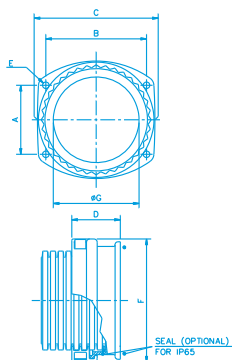
NOMINAL CONDUIT
SIZE (mm)

80
106

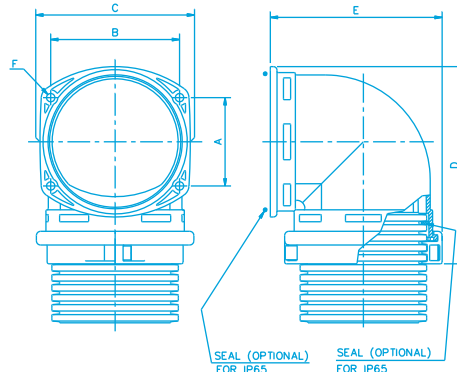
PART
NUMBER

SK80
SK106

NOMINAL SIZE (mm)	PART NUMBER ADC80/FL/A	PART NUMBER ADC106/FL/A
A	60.0	74.0
B	80.0	108.0
C	98.0	126.0
D	52.5	52.5
E Ø	7.0	7.0
F	106.0	132.0



NOMINAL SIZE (mm)	PART NUMBER ADC80/FL/A	PART NUMBER ADC106/FL/A
A	60.0	74.0
B	80.0	108.0
C	96.0	126.0
D	128.0	166.0
E	110.5	144.0
F Ø	7.0	7.0



IP Rating with
appropriate fitting

IP40
IP65
IP66
IP67
IP68
IP69k

For use with following conduit;
Type PA, PI & PR JUMBO only

Type PA, PI & PR JUMBO conduit

Type PA, PI & PI JUMBO conduit + SK Seal

n/a
n/a
n/a
n/a
n/a

Temperature Range

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C

Fitting Characteristics

Approvals



For use with following conduit;
Type PA, PI & PR JUMBO only

Type PA, PI & PR JUMBO conduit

Type PA, PI & PI JUMBO conduit + SK Seal

n/a
n/a
n/a
n/a
n/a



For use with following conduit;
Type PA, PI & PR JUMBO only

Type PA, PI & PR JUMBO conduit

Type PA, PI & PI JUMBO conduit + SK Seal

n/a
n/a
n/a
n/a
n/a



What is Adaptalok ATS™? **NEW**



The Unique and Ultimate new non metallic conduit system... Adaptalok ATS™ from Adaptaflex

Adaptalok ATS™ represents a unique and innovative solution in flexible conduit systems. Until now, manufacturers have produced fittings and seals separately, and assembled them together, or had the customer assemble them. This increases assembly time and introduces the possibility for errors.

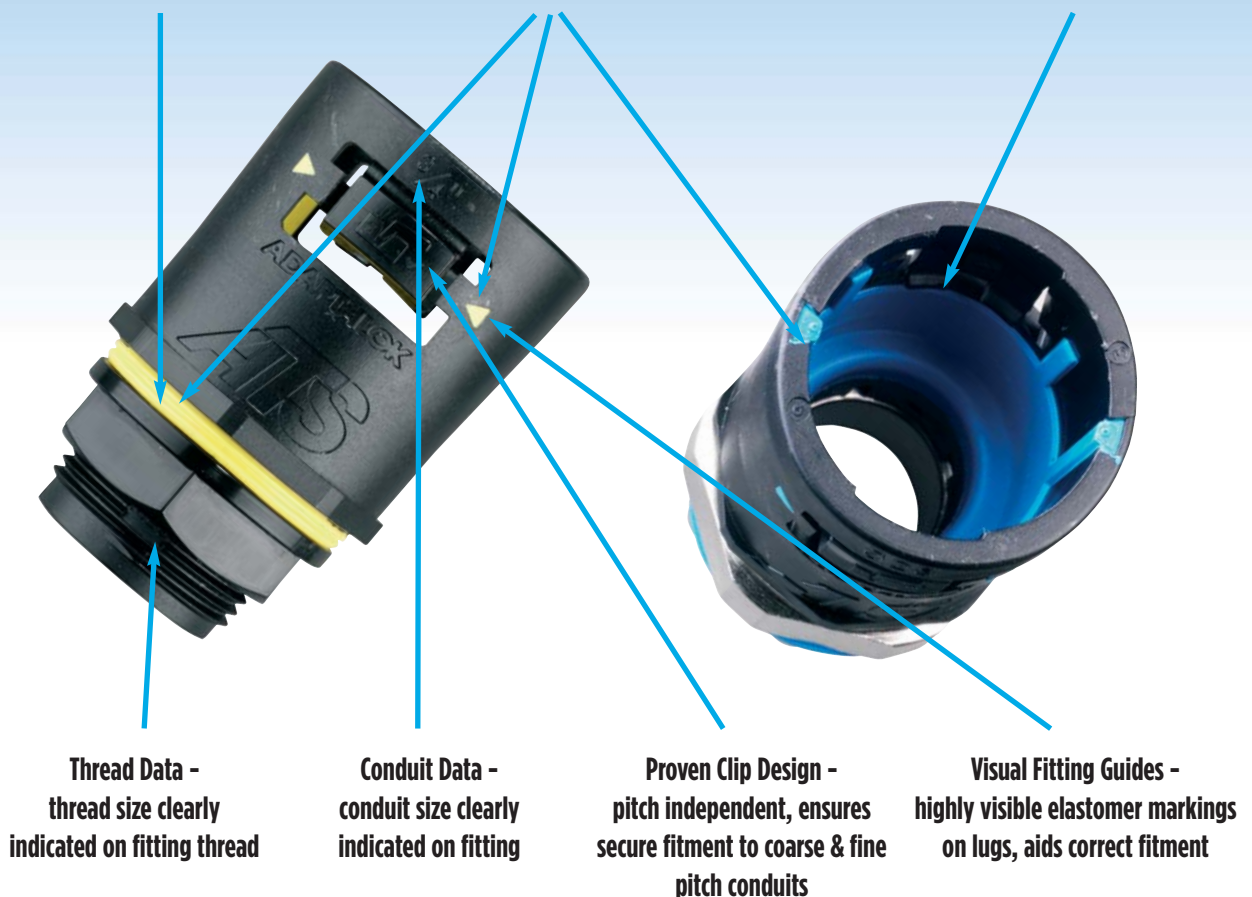
Adaptalok ATS™ uses a sophisticated moulding process to mould an internal conduit seal and a face seal washer. This makes installation times very fast, and extremely reliable, because the seals cannot be left out. The conduit system also benefits from the highest IP rating possible.

Key Features

Integral Face Seal Washer -
guaranteed fit, cannot be lost or
fitted incorrectly. No assembly

High Visibility Elastomer -
3 visible confirmation points

Internal Elastomer Conduit Seal -
guaranteed fit, cannot be lost or
fitted incorrectly. No Assembly &
protects cables



Additional Key Features

- Nylon 6.6 Body
- IP66, 67, 68 & 69k performance as standard

- One piece fitting, no customer assembly
- UL 1696 version - Light Blue Elastomer

Adaptalok ATS™ non-metallic system **NEW**

ONE-PIECE PUSH-ON LIQUID TIGHT IP68/69k FITTINGS

PRODUCT CHARACTERISTICS

Type
Description
Materials
Example

TYPE A - ADAPTALOK ATS™ **NEW**

STRAIGHT FITTING - FIXED EXTERNAL THREAD

For insertion into knockouts using a locknut. Locknut supplied with METRIC thread

Polyamide (Nylon) 66/TPE

Body Colour Black (BL) & Grey (GR) . Yellow (Y) Elastomer



NOMINAL CONDUIT
SIZE (mm)

	METRIC THREAD	PART NUMBER	PF THREAD	PART NUMBER	NPT THREAD	PART NUMBER
13	M16	AT13/M16/A	3/8	AT13/PF038/A	3/8	AT13/038/A
13	M20	AT13/M20/A	—	—	—	—
16	M16	AT16/M16/A	3/8	AT16/PF038/A	3/8	AT16/038/A
16	M20	AT16/M20/A	1/2	AT16/PF050/A	1/2	AT16/050/A
21/22	M20	AT21/M20/A	1/2	AT21/PF050/A	1/2	AT21/050/A
21/22	M25	AT21/M25/A	—	—	—	—
28	M25	AT28/M25/A	3/4	AT28/PF075/A	3/4	AT28/075/A
28	M32	AT28/M32/A	—	—	—	—
34	M32	AT34/M32/A	1	AT34/PF100/A	1	AT34/100/A
34	M40	AT34/M40/A	—	—	—	—
42	M40	AT42/M40/A	1 1/4	AT42/PF125/A	1 1/4	AT42/125/A
42	M50	AT42/M50/A	—	—	—	—
48	M50	AT48/M50/A	1 1/2	AT48/PF150/A	1 1/2	AT48/150/A
54	M50	AT54/M50/A	—	—	—	—
54	M63	AT54/M63/A	2	AT54/PF200/A	2	AT54/200/A

To order quote part no, body colour & elastomer colour- e.g. AT21/M20/C90/BLY

TYPE A - ADAPTALOK ATS™ **NEW**

STRAIGHT FITTING - FIXED EXTERNAL THREAD

For insertion into knockouts using a locknut. Locknut supplied with METRIC thread

Polyamide (Nylon) 66/TPE

Body Colour Black (BL) & Grey (GR) . Blue (B) Elastomer



METRIC THREAD	PART NUMBER	NPT THREAD	PART NUMBER
M16	AT13/M16/A	3/8	AT13/038/A
M20	AT13/M20/A	—	—
M16	AT16/M16/A	3/8	AT16/038/A
M20	AT16/M20/A	1/2	AT16/050/A
M20	AT21/M20/A	1/2	AT21/050/A
M25	AT21/M25/A	—	—
M25	AT28/M25/A	3/4	AT28/075/A
M32	AT28/M32/A	—	—
M32	AT34/M32/A	1	AT34/100/A
M40	AT34/M40/A	—	—
M40	AT42/M40/A	1 1/4	AT42/125/A
M50	AT42/M50/A	—	—
M50	AT48/M50/A	1 1/2	AT48/150/A
M50	AT54/M50/A	—	—
M63	AT54/M63/A	2	AT54/200/A

Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

IP Rating with
appropriate fitting

IP66

IP67

IP68

IP69k

Temperature Range

Fitting Characteristics

Approvals

For use with following conduit;
Type PA, PI, CP, PR & PADL

Yes

Yes

Yes (4 bar 30 mins)

Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP, PR & PADL

Yes

Yes

Yes (4 bar 30 mins)

Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



Adaptalok ATS™ non-metallic system **NEW**

ONE-PIECE PUSH-ON LIQUID TIGHT IP68/69k FITTINGS

PRODUCT CHARACTERISTICS

Type

TYPE C90 - ADAPTALOK ATS™ **NEW**

Description

90° ELBOW FITTING - FIXED EXTERNAL THREAD

For insertion into knockouts using a locknut.

Locknut supplied with METRIC thread

Materials

Polyamide (Nylon) 66/TPE

Body Colour Black (BL) & Grey (GR) . Yellow (Y) Elastomer

Example



NOMINAL CONDUIT SIZE (mm)

METRIC THREAD	PART NUMBER	PT THREAD	PART NUMBER
M16	AT13/M16/C90	3/8	AT13/PF038/C90
M16	AT16/M16/C90	3/8	AT16/PF038/C90
M20	AT16/M20/C90	1/2	AT16/PF050/C90
M20	AT21/M20/C90	1/2	AT21/PF050/C90
M25	AT28/M25/C90	3/4	AT28/PF075/C90
M32	AT34/M32/C90	1	AT34/PF100/C90
M40	AT42/M40/C90	1 1/4	AT42/PF125/C90
M50	AT48/M50/C90	1 1/2	AT48/PF150/C90
M50	AT54/M50/C90	1 1/2	AT54/PF150/C90
M63	AT54/M63/C90	2	AT54/PF200/C90

NPT THREAD	PART NUMBER
3/8	AT13/038/C90
3/8	AT16/038/C90
1/2	AT16/050/C90
1/2	AT21/050/C90
3/4	AT28/075/C90
1	AT34/100/C90
1 1/4	AT42/125/C90
1 1/2	AT48/150/C90
1 1/2	AT54/150/C90
2	AT54/200/C90

To order quote part no, body colour & elastomer colour- e.g. AT21/M20/C90/BLY

TYPE C90 - ADAPTALOK ATS™ **NEW**

90° ELBOW FITTING - FIXED EXTERNAL THREAD

For insertion into knockouts using a locknut.

Locknut supplied with METRIC thread

Polyamide (Nylon) 66/TPE

Body Colour Black (BL) & Grey (GR) . Blue (B) Elastomer



METRIC THREAD	PART NUMBER	NPT THREAD	PART NUMBER
M16	AT13/M16/C90	3/8	AT13/038/C90
M16	AT16/M16/C90	3/8	AT16/038/C90
M20	AT16/M20/C90	1/2	AT16/050/C90
M20	AT21/M20/C90	1/2	AT21/050/C90
M25	AT28/M25/C90	3/4	AT28/075/C90
M32	AT34/M32/C90	1	AT34/100/C90
M40	AT42/M40/C90	1 1/4	AT42/125/C90
M50	AT48/M50/C90	1 1/2	AT48/150/C90
M50	AT54/M50/C90	1 1/2	AT54/150/C90
M63	AT54/M63/C90	2	AT54/200/C90

Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

IP Rating with appropriate fitting

IP66

Yes

IP67

Yes

IP68

Yes (4 bar 30 mins)

IP69k

Yes

Temperature Range

Static Applications: -50 °C to +120 °C

Moving Applications: -45 °C to +120 °C

Fitting Characteristics

Approvals



NF



DB

For use with following conduit; Type PA, PI, CP, PR & PADL

Yes

Yes

Yes (4 bar 30 mins)

Yes

Static Applications: -50 °C to +120 °C

Moving Applications: -45 °C to +120 °C



NF



DB



PRODUCT CHARACTERISTICS

Type

TYPE 45 - ADAPTALOK ATS™ NEW

Description

45° ELBOW FITTING - FIXED EXTERNAL THREAD

For insertion into knockouts using a locknut.
Locknut supplied with METRIC thread

Materials

Polyamide (Nylon) 66/TPE
Body Colour Black (BL) & Grey (GR) . Yellow (Y) Elastomer

Example



NOMINAL CONDUIT SIZE (mm)

	METRIC THREAD	PART NUMBER	PT THREAD	PART NUMBER	NPT THREAD	PART NUMBER
13	M16	AT13/M16/45	3/8	AT13/PF038/45	3/8	AT13/038/45
16	M16	AT16/M16/45	3/8	AT16/PF038/45	3/8	AT16/038/45
16	M20	AT16/M20/45	1/2	AT16/PF050/45	1/2	AT16/050/45
21/22	M20	AT21/M20/45	1/2	AT21/PF050/45	1/2	AT21/050/45
28	M25	AT28/M25/45	3/4	AT28/PF075/45	3/4	AT28/075/45
34	M32	AT34/M32/45	1	AT34/PF100/45	1	AT34/100/45
42	M40	AT42/M40/45	1 1/4	AT42/PF125/45	1 1/4	AT42/125/45
48	M50	AT48/M50/45	1 1/2	AT48/PF150/45	1 1/2	AT48/150/45
54	M50	AT54/M50/45	-	-	-	-

To order quote part no, body colour & elastomer colour- e.g. AT54/M63/45/BLB

TYPE 45 - ADAPTALOK ATS™ NEW

45° ELBOW FITTING - FIXED EXTERNAL THREAD

For insertion into knockouts using a locknut.
Locknut supplied with METRIC thread

Polyamide (Nylon) 66/TPE
Body Colour Black (BL) & Grey (GR) . Blue (B) Elastomer



METRIC THREAD	PART NUMBER	NPT THREAD	PART NUMBER
M16	AT13/M16/45	3/8	AT13/038/45
M16	AT16/M16/45	3/8	AT16/038/45
M20	AT16/M20/45	1/2	AT16/050/45
M20	AT21/M20/45	1/2	AT21/050/45
M25	AT28/M25/45	3/4	AT28/075/45
M32	AT34/M32/45	1	AT34/100/45
M40	AT42/M40/45	1 1/4	AT42/125/45
M50	AT48/M50/45	1 1/2	AT48/150/45
M50	AT54/M50/45	-	-

Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

IP Rating with appropriate fitting

IP66

IP67

IP68

IP69K

Temperature Range

For use with following conduit;
Type PA, PI, CP, PR & PADL

Yes

Yes

Yes (4 bar 30 mins)

Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C

Fitting Characteristics

Approvals



For use with following conduit;
Type PA, PI, CP, PR & PADL

Yes

Yes

Yes (4 bar 30 mins)

Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



Adaptalok ATS™ non-metallic system **NEW**

ONE-PIECE PUSH-ON LIQUID TIGHT IP68/69k FITTINGS WITH SWIVEL BRASS THREADS

PRODUCT CHARACTERISTICS

Type

TYPE SA - ADAPTALOK ATS™ **NEW**

Description

STRAIGHT FITTING - SWIVEL EXTERNAL MALE THREAD

For insertion into threaded entries & knockouts.
Order locknuts separately.

Materials

Polyamide (Nylon) 66. Nickel plated brass thread/TPE
Body Colour Black (BL) & Grey (GR) .
Yellow (Y) & Blue (B) Elastomer

Example



NOMINAL CONDUIT
SIZE (mm)

METRIC THREAD	PART NUMBER
M16	AT13/M16/SA
M16	AT16/M16/SA
M20	AT21/M20/SA
M25	AT28/M25/SA
M32	AT34/M32/SA
M40	AT42/M40/SA
M50	AT48/M50/SA
M50	AT54/M50/SA
M63	AT54/M63/SA

NPT THREAD	PART NUMBER
3/8	AT13/038/SA
3/8	AT16/038/SA
1/2	AT21/050/SA
3/4	AT28/075/SA
1	AT34/100/SA
1 1/4	AT42/125/SA
1 1/2	AT48/150/SA
-	-
2	AT54/200/SA

To order quote part no, body colour & elastomer colour- e.g. AT16/M16/SA/BLY

TYPE CS90 - ADAPTALOK ATS™ **NEW**

90° ELBOW FITTING - SWIVEL EXTERNAL MALE THREAD

For insertion into threaded entries & knockouts.
Order locknuts separately.

Polyamide (Nylon) 66. Nickel plated brass thread/TPE
Body Colour Black (BL) & Grey (GR) .
Yellow (Y) & Blue (B) Elastomer



METRIC THREAD	PART NUMBER
M16	AT13/M16/CS90
M16	AT16/M16/CS90
M20	AT21/M20/CS90
M25	AT28/M25/CS90
M32	AT34/M32/CS90
M40	AT42/M40/CS90
M50	AT48/M50/CS90
M50	AT54/M50/CS90
M63	AT54/M63/CS90

NPT THREAD	PART NUMBER
3/8	AT13/038/CS90
3/8	AT16/038/CS90
1/2	AT21/050/CS90
3/4	AT28/075/CS90
1	AT34/100/CS90
1 1/4	AT42/125/CS90
1 1/2	AT48/150/CS90
-	-
2	AT54/200/CS90

Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

NOTE: Special Big Bore & PF/GAS metal threads are available as made to order. Contact us for details

IP Rating with
appropriate fitting

- IP66
- IP67
- IP68
- IP69k

Temperature Range

For use with following conduit;
Type PA, PI, CP, PR & PADL

- Yes
- Yes
- Yes (4 bar 30 mins)
- Yes

Fitting Characteristics



Approvals



For use with following conduit;
Type PA, PI, CP, PR & PADL

- Yes
- Yes
- Yes (4 bar 30 mins)
- Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C





PRODUCT CHARACTERISTICS

Type

TYPE S45 - ADAPTALOK ATS™ NEW

Description

45° ELBOW BODY - SWIVEL EXTERNAL MALE THREAD
For insertion into threaded entries & knockouts.
Order locknuts separately.

Materials

Polyamide (Nylon) 66. Nickel plated brass thread/TPE
Body Colour Black (BL) & Grey (GR) .
Yellow (Y) & Blue (B) Elastomer

Example



NOMINAL CONDUIT SIZE (mm)

	METRIC THREAD	PART NUMBER		NPT THREAD	PART NUMBER
13	M16	AT13/M16/S45		1/8	AT13/038/S45
16	M16	AT16/M16/S45		1/8	AT16/038/S45
21/22	M20	AT21/M20/S45		1/2	AT21/050/S45
28	M25	AT28/M25/S45		3/4	AT28/075/S45
34	M32	AT34/M32/S45		1	AT34/100/S45
42	M40	AT42/M40/S45		1 1/4	AT42/125/S45
48	M50	AT48/M50/S45		1 1/2	AT48/150/S45
54	M50	AT54/M50/S45		-	-
54	M63	AT54/M63/S45		2	AT54/200/S45

TYPE SFA - ADAPTALOK ATS™ NEW

STRAIGHT BODY - SWIVEL INTERNAL FEMALE THREAD
For attachment to external threads & other fittings.
Order locknuts separately.

Polyamide (Nylon) 66. Nickel plated brass thread/TPE
Body Colour Black (BL) & Grey (GR) .
Yellow (Y) & Blue (B) Elastomer



METRIC THREAD

	METRIC THREAD	PART NUMBER		NPT THREAD	PART NUMBER
M16	M16	AT13/M16/SFA		1/8	AT13/038/SFA
M16	M16	AT16/M16/SFA		1/8	AT16/038/SFA
M20	M20	AT21/M20/SFA		1/2	AT21/050/SFA
M25	M25	AT28/M25/SFA		3/4	AT28/075/SFA
M32	M32	AT34/M32/SFA		1	AT34/100/SFA
M40	M40	AT42/M40/SFA		1 1/4	AT42/125/SFA
M50	M50	AT48/M50/SFA		1 1/2	AT48/150/SFA
M50	M50	AT54/M50/SFA		-	-
M63	M63	AT54/M63/SFA		2	AT54/200/SFA

Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

NOTE: Special Big Bore & PF/GAS metal threads are available as made to order. Contact us for details

IP Rating with appropriate fitting

- IP66
- IP67
- IP68
- IP69k

Temperature Range

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C

Fitting Characteristics



Approvals



For use with all conduits in this catalogue

- Yes
- Yes
- Yes (4 bar 30 mins)
- Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



Adaptalok ATS™ non-metallic system **NEW**

ONE-PIECE PUSH-ON LIQUID TIGHT IP68/69k FITTINGS WITH SWIVEL BRASS THREADS

PRODUCT CHARACTERISTICS

Type

TYPE CSF90 - ADAPTALOK ATS™ **NEW**

Description

90° ELBOW FITTING - SWIVEL INTERNAL FEMALE THREAD

For attachment to external threads & other fittings.
Order locknuts separately.

Materials

Polyamide (Nylon) 66. Nickel plated brass thread/TPE
Body Colour Black (BL) & Grey (GR) .
Yellow (Y) & Blue (B) Elastomer

Example



NOMINAL CONDUIT SIZE (mm)

METRIC THREAD

PART NUMBER

13	M16	AT13/M16/CSF90
16	M16	AT16/M16/CSF90
21/22	M20	AT21/M20/CSF90
28	M25	AT28/M25/CSF90
34	M32	AT34/M32/CSF90
42	M40	AT42/M40/CSF90
48	M50	AT48/M50/CSF90
54	M50	AT54/M50/CSF90
54	M63	AT54/M63/CSF90

NPT THREAD

PART NUMBER

3/8	AT13/038/CSF90
3/8	AT16/038/CSF90
1/2	AT21/050/CSF90
3/4	AT28/075/CSF90
1	AT34/100/CSF90
1 1/4	AT42/125/CSF90
1 1/2	AT48/150/CSF90
-	-
2	AT54/200/CSF90

To order quote part no, body colour & elastomer colour- e.g. AT16/M16/SA/BLY

TYPE SF45 - ADAPTALOK ATS™ **NEW**

45° ELBOW BODY - SWIVEL INTERNAL FEMALE THREAD

For attachment to external threads & other fittings.
Order locknuts separately.

Polyamide (Nylon) 66. Nickel plated brass thread/TPE
Body Colour Black (BL) & Grey (GR) .
Yellow (Y) & Blue (B) Elastomer



METRIC THREAD

PART NUMBER

M16	AT13/M16/SF45
M16	AT16/M16/SF45
M20	AT21/M20/SF45
M25	AT28/M25/SF45
M32	AT34/M32/SF45
M40	AT42/M40/SF45
M50	AT48/M50/SF45
M50	AT54/M50/SF45
M63	AT54/M63/SF45

NPT THREAD

PART NUMBER

3/8	AT13/038/SF45
3/8	AT16/038/SF45
1/2	AT21/050/SF45
3/4	AT28/075/SF45
1	AT34/100/SF45
1 1/4	AT42/125/SF45
1 1/2	AT48/150/SF45
-	-
2	AT54/200/SF45

Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

NOTE: Special Big Bore & PF/GAS metal threads are available as made to order. Contact us for details

IP Rating with appropriate fitting

- IP66
- IP67
- IP68
- IP69k

Temperature Range

For use with following conduit;
Type PA, PI, CP, PR & PADL

- Yes
- Yes
- Yes (4 bar 30 mins)
- Yes

Fitting Characteristics



Approvals



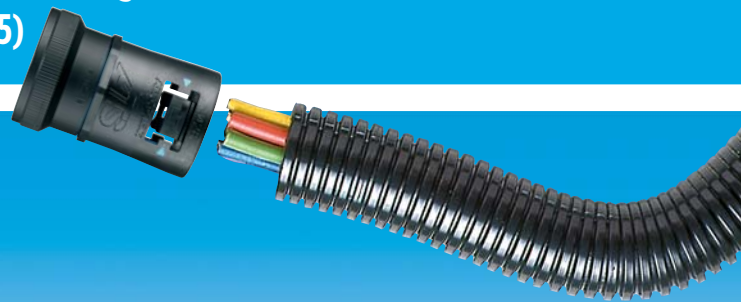
For use with following conduit;
Type PA, PI, CP, PR & PADL

- Yes
- Yes
- Yes (4 bar 30 mins)
- Yes



Adaptalok ATS™ non-metallic system **NEW**

UNEFC CIRCULAR CONNECTOR FITTINGS (MIL C 5015)



PRODUCT CHARACTERISTICS

Type TYPE SFA - ADAPTALOK ATS™ **NEW**

Description STRAIGHT BODY - SWIVEL INTERNAL THREAD
For coupling to UNEFC circular connectors.

Materials Polyamide (Nylon) 66 & Aluminium/TPE
Body Colour Black (BL) only.
Yellow (Y) & Blue (B) Elastomer

Example



NOMINAL CONDUIT SIZE (mm)	CONNECTOR UNEFC THREAD	PART NUMBER	NOMINAL CONDUIT SIZE (mm)	CONNECTOR UNEFC THREAD	PART NUMBER
13	5/16" - 24	AT13/U063/SFA/	21/22	1 1/8" - 18	AT21/U144/SFA/
13	3/8" - 20	AT13/U075/SFA/	21/22	1 1/8" - 18	AT21/U175/SFA/
13	1/2" - 20	AT13/U088/SFA/	28	1 1/8" - 20	AT28/U088/SFA/
16	5/8" - 24	AT16/U063/SFA/			AT28/U094/SFA/
16	3/4" - 20	AT16/U075/SFA/	28	5/8" - 20	AT28/U100/SFA/
16	7/8" - 20	AT16/U081/SFA/	28	1" - 20	AT28/U119/SFA/
16	1 1/8" - 20	AT16/U088/SFA/	28	1 1/8" - 18	AT28/U138/SFA/
16	5/8" - 20	AT16/U094/SFA/	28	1 1/8" - 18	AT28/U144/SFA/
16	1" - 20	AT16/U100/SFA/	28	1 1/8" - 18	AT28/U175/SFA/
16	1 1/8" - 18	AT16/U119/SFA/	28	1 1/8" - 18	AT28/U200/SFA/
16	1 1/8" - 18	AT16/U131/SFA/	28	2" - 18	AT28/U225/SFA/
21/22	3/4" - 20	AT21/U075/SFA/	28	2 1/4" - 18	AT34/U100/SFA/
21/22	1 1/8" - 20	AT21/U088/SFA/	34	1" - 20	AT34/U119/SFA/
21/22	5/8" - 20	AT21/U094/SFA/	34	1 1/8" - 18	AT34/U144/SFA/
21/22	1" - 20	AT21/U100/SFA/	34	1 1/8" - 18	AT34/U175/SFA/
21/22	1 1/8" - 18	AT21/U119/SFA/	34	1 1/8" - 18	AT34/U200/SFA/
21/22	1 1/8" - 18	AT21/U131/SFA/	34	2" - 18	AT42/U175/SFA/
21/22	1 1/8" - 18	AT21/U138/SFA/	42	1 1/8" - 18	AT42/U200/SFA/
21/22	1 1/8" - 18		42	2" - 18	

TYPE CSF90 - ADAPTALOK ATS™ **NEW**

90° ELBOW BODY - SWIVEL INTERNAL THREAD
For coupling to UNEFC circular connectors.

Polyamide (Nylon) 66 & Aluminium/TPE
Body Colour Black (BL) only.
Yellow (Y) & Blue (B) Elastomer



NOMINAL CONDUIT SIZE (mm)	CONNECTOR UNEFC THREAD	PART NUMBER	NOMINAL CONDUIT SIZE (mm)	CONNECTOR UNEFC THREAD	PART NUMBER
13	5/16" - 24	AT13/U063/CSF90/	21/22	1 1/8" - 18	AT21/U144/CSF90/
13	3/8" - 20	AT13/U075/CSF90/	21/22	1 1/8" - 18	AT21/U175/CSF90/
13	1/2" - 20	AT13/U088/CSF90/	28	1 1/8" - 20	AT28/U088/CSF90/
16	5/8" - 24	AT16/U063/CSF90/			AT28/U094/CSF90/
16	3/4" - 20	AT16/U075/CSF90/	28	5/8" - 20	AT28/U100/CSF90/
16	7/8" - 20	AT16/U081/CSF90/	28	1" - 20	AT28/U119/CSF90/
16	1 1/8" - 20	AT16/U088/CSF90/	28	1 1/8" - 18	AT28/U138/CSF90/
16	5/8" - 20	AT16/U094/CSF90/	28	1 1/8" - 18	AT28/U144/CSF90/
16	1" - 20	AT16/U100/CSF90/	28	1 1/8" - 18	AT28/U175/CSF90/
16	1 1/8" - 18	AT16/U119/CSF90/	28	1 1/8" - 18	AT28/U200/CSF90/
16	1 1/8" - 18	AT16/U131/CSF90/	28	2" - 18	AT28/U225/CSF90/
21/22	3/4" - 20	AT21/U075/CSF90/	28	2 1/4" - 18	AT34/U100/CSF90/
21/22	1 1/8" - 20	AT21/U088/CSF90/	34	1" - 20	AT34/U119/CSF90/
21/22	5/8" - 20	AT21/U094/CSF90/	34	1 1/8" - 18	AT34/U144/CSF90/
21/22	1" - 20	AT21/U100/CSF90/	34	1 1/8" - 18	AT34/U175/CSF90/
21/22	1 1/8" - 18	AT21/U119/CSF90/	34	1 1/8" - 18	AT34/U200/CSF90/
21/22	1 1/8" - 18	AT21/U131/CSF90/	34	2" - 18	AT42/U175/CSF90/
21/22	1 1/8" - 18	AT21/U138/CSF90/	42	1 1/8" - 18	AT42/U200/CSF90/
21/22	1 1/8" - 18		42	2" - 18	

Add body & elastomer colour to part no. /BLY or /BLB

IP Rating with appropriate fitting

IP66
IP67
IP68
IP69K

Temperature Range

For use with following conduit;
Type PA, PI, CP, PR & PADL

Yes
Yes
Yes (4 bar 30 mins)
Yes

Fitting Characteristics



Approvals



For use with following conduit;
Type PA, PI, CP, PR & PADL

Yes
Yes
Yes (4 bar 30 mins)
Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



Adaptalok ATS™ non-metallic system **NEW**

UNEF CIRCULAR CONNECTOR FITTINGS (MIL C 5015)

PRODUCT CHARACTERISTICS

TYPE SF45 - ADAPTALOK ATS™ **NEW**

45° ELBOW BODY - SWIVEL INTERNAL THREAD
For coupling to UNEF circular connectors.

Polyamide (Nylon) 66 & Aluminium/TPE
Body Colour Black (BL) only.
Yellow (Y) & Blue (B) Elastomer



NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNE F THREAD

PART NUMBER

13	1/8" - 24	AT13/U063/SF45/
13	1/8" - 20	AT13/U075/SF45/
13	1/8" - 20	AT13/U088/SF45/
16	1/8" - 24	AT16/U063/SF45/
16	1/8" - 20	AT16/U075/SF45/
16	5/16" - 20	AT16/U081/SF45/
16	1/8" - 20	AT16/U088/SF45/
16	5/16" - 20	AT16/U094/SF45/
16	1" - 20	AT16/U100/SF45/
16	1 1/8" - 18	AT16/U119/SF45/
16	1 1/8" - 18	AT16/U131/SF45/
21/22	1/8" - 20	AT21/U075/SF45/
21/22	1/8" - 20	AT21/U088/SF45/
21/22	5/16" - 20	AT21/U094/SF45/
21/22	1" - 20	AT21/U100/SF45/
21/22	1 1/8" - 18	AT21/U113/SF45/
21/22	1 1/8" - 18	AT21/U119/SF45/
21/22	1 1/8" - 18	AT21/U131/SF45/
21/22	1 1/8" - 18	AT21/U138/SF45/

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNE F THREAD

PART NUMBER

21/22	1 1/8" - 18	AT21/U144/SF45/
21/22	1 1/8" - 18	AT21/U175/SF45/
28	1 1/8" - 20	AT28/U088/SF45/
28	5/16" - 20	AT28/U094/SF45/
28	1" - 20	AT28/U100/SF45/
28	1 1/8" - 18	AT28/U119/SF45/
28	1 1/8" - 18	AT28/U138/SF45/
28	1 1/8" - 18	AT28/U144/SF45/
28	1 1/8" - 18	AT28/U175/SF45/
28	1 1/8" - 18	AT28/U200/SF45/
28	2" - 18	AT28/U225/SF45/
28	2 1/4" - 18	AT34/U100/SF45/
34	1" - 20	AT34/U119/SF45/
34	1 1/8" - 18	AT34/U144/SF45/
34	1 1/8" - 18	AT34/U175/SF45/
34	1 1/8" - 18	AT34/U200/SF45/
34	2" - 18	AT42/U175/SF45/
42	1 1/8" - 18	AT42/U200/SF45/
42	2" - 18	

To order quote part no, body colour & elastomer colour- e.g. AT13/U063/A/BLY

SWIVEL COUPLER **NEW**

STRAIGHT PA66 BODY - SWIVEL COUPLER
For coupling to corrugated flexible conduit.

Polyamide (Nylon) 66/TPE
Body Colour Black (BL) & Grey (GR).
Yellow (Y) & Blue (B) Elastomer



PART NUMBER

AT13/A/U
AT16/A/U
AT21/A/U
AT28/A/U
AT34/A/U
AT42/A/U
AT48/A/U
AT54/A/U

Add body & elastomer colour to part no. /BLY or /BLB

Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

IP Rating with
appropriate fitting

- IP66
- IP67
- IP68
- IP69k

Temperature Range

Fitting Characteristics

Approvals

For use with following conduit;
Type PA, PI, CP, PR & PADL

- Yes
- Yes
- Yes (4 bar 30 mins)
- Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C



For use with following conduit;
Type PA, PI, CP, PR & PADL

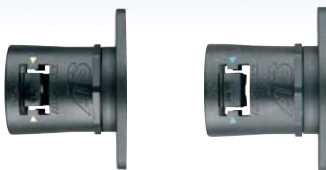
- Yes
- Yes
- Yes (4 bar 30 mins)
- Yes

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C





PRODUCT CHARACTERISTICS

Type	TYPE FL/A - ADAPTALOK NEW	TYPE FL/C90 - ADAPTALOK NEW	TYPE FL/45 - ADAPTALOK NEW
Description	STRAIGHT PANEL MOUNTING SWIVEL FLANGE with integral face seal.	90° ELBOW BODY - PANEL MOUNT FLANGE For panel mounting via 2 hole fixing & integral face seal.	45° PANEL MOUNTING SWIVEL FLANGE with integral face seal.
Materials	Polyamide (Nylon) 66/TPE Body Colour Black (BL) & Grey (GR). Yellow (Y) & Blue (B) Elastomer	Polyamide (Nylon) 66/TPE Body Colour Black (BL) & Grey (GR). Yellow (Y) & Blue (B) Elastomer	Polyamide (Nylon) 66/TPE Body Colour Black (BL) & Grey (GR). Yellow (Y) & Blue (B) Elastomer
Example			
NOMINAL CONDUIT SIZE (mm)	PART NUMBER	PART NUMBER	PART NUMBER
13	-	AT13/FL/C90	-
16	-	AT16/FL/C90	AT16/FL/45
21/22	AT21/FL/A	AT21/FL/C90	AT21/FL/45
28	AT28/FL/A	AT28/FL/C90	AT28/FL/45
34	-	-	-
42	-	-	-
48	-	-	-
54	AT54/FL/A	-	AT54/FL/45

Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

IP Rating with appropriate fitting	For use with following conduit; Type PA, PI, CP, PR & PADL	For use with following conduit; Type PA, PI, CP, PR & PADL	For use with following conduit; Type PA, PI, CP, PR & PADL
IP66	Yes	Yes	Yes
IP67	Yes	Yes	Yes
IP68	Yes (4 bar 30 mins)	Yes (4 bar 30 mins)	Yes (4 bar 30 mins)
IP69k	Yes	Yes	Yes
Temperature Range	Static Applications: -50 °C to +120 °C Moving Applications: -45 °C to +120 °C	Static Applications: -50 °C to +120 °C Moving Applications: -45 °C to +120 °C	Static Applications: -50 °C to +120 °C Moving Applications: -45 °C to +120 °C
Fitting Characteristics			
Approvals	     	     	     

Adaptaseal non-metallic system

LIQUID TIGHT COMPRESSION FITTINGS & ACCESSORIES

PRODUCT CHARACTERISTICS

To order quote part no & colour - e.g. ASF10/M16/A/BL

Type

Description

Materials

Example

TYPE A - ADAPTASEAL

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Locknut supplied with METRIC THREAD ONLY

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR).



TYPE C90 - ADAPTASEAL

90° ELBOW FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut.
Locknut supplied with METRIC THREAD ONLY

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR).



TYPE FLC90/FL90 - ADAPTASEAL

90° ELBOW FITTING - PANEL MOUNT FLANGE
For panel mounting via 2/4 hole fixing & integral face seal

Polyamide (Nylon) 66
Colour Black (BL) only.



NOMINAL CONDUIT SIZE (mm)	CONDUIT PITCH F = FINE C = COARSE	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
10	F	M16	ASF10/M16/A	PG9	ASF10/PG9/A
13	F	M16	ASF13/M16/A	PG9	ASF13/PG9/A
16	F	M16	ASF16/M16/A	PG11	ASF16/PG11/A
16	F	M20	ASF16/M20/A	PG13.5	ASF16/PG13/A
21	F	M20	ASF21/M20/A	PG16	ASF21/PG16/A
21	C	M20	ASC21/M20/A	PG16	ASC21/PG16/A
28	F	M25	ASF28/M25/A	PG21	ASF28/PG21/A
28	C	M25	ASC28/M25/A	PG21	ASC28/PG21/A
34	F	M32	ASF34/M32/A	PG29	ASF34/PG29/A
34	C	M32	ASC34/M32/A	PG29	ASC34/PG29/A
42	C	M40	ASC42/M40/A	PG36	ASC42/PG36/A
54	C	M50	ASC54/M50/A	PG48	ASC54/PG48/A

Note. PF & NPT thread sizes available

METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
M16	ASF10/M16/C90	PG9	ASF10/PG9/C90
M16	ASF13/M16/C90	PG9	ASF13/PG9/C90
M16	ASF16/M16/C90	PG11	ASF16/PG11/C90
M20	ASF16/M20/C90	PG13.5	ASF16/PG13/C90
M20	ASF21/M20/C90	PG16	ASF21/PG16/C90
M20	ASC21/M20/C90	PG16	ASC21/PG16/C90
M25	ASF28/M25/C90	PG21	ASF28/PG21/C90
M25	ASC28/M25/C90	PG21	ASC28/PG21/C90
M32	ASF34/M32/C90	PG29	ASF34/PG29/C90
M32	ASC34/M32/C90	PG29	ASC34/PG29/C90
M40	ASC42/M40/C90	PG36	ASC42/PG36/C90
M50	ASC54/M50/C90	PG48	ASC54/PG48/C90

Note. PF & NPT thread sizes available

PART NUMBER
-
ASF13/FL/C90
ASF16/FL/C90
-
ASF21/FL/C90
ASC21/FL/C90
ASF28/FL/C90
ASC28/FL/C90
ASF34/FL/90
ASC34/FL/90
ASC42/FL/90
ASC54/FL/90

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

Fitting Characteristics

For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit - 2 bar 30 mins

Type PA, PI, CP & PR conduit

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit - 2 bar 30 mins

Type PA, PI, CP & PR conduit

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit - 2 bar 30 mins

Type PA, PI, CP & PR conduit

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C





PRODUCT CHARACTERISTICS

Type
Description
Materials
Example

TYPE T - ADAPTASEAL

INSPECTION T-PIECE

For connection to corrugated flexible conduit.

Polyamide (Nylon) 66
Colour Black (BL) only.



FOR CONNECTION TO NOMINAL CONDUIT SIZE (mm)	CONDUIT PITCH F = FINE C = COARSE
10	F
13	F
16	F
21	F
21	C
28	F
28	C
34	F
34	C

METRIC THREAD	PART NUMBER
10	ASF10X3/T
13	ASF13X3/T
16	ASF16X3/T
21	ASF21X3/T
21	ASC21X3/T
28	ASF28X3/T
28	ASC28X3/T
34	ASF34X3/T
34	ASC34X3/T

TYPE RK - ADAPTASEAL

REDUCING KIT

For connection to a reduced conduit size

Polyamide (Nylon) 66 & Neoprene Rubber
Colour Black (BL) only.



REDUCING TO CONDUIT SIZE 10	REDUCING TO CONDUIT SIZE 13	REDUCING TO CONDUIT SIZE 16	REDUCING TO CONDUIT SIZE 21	REDUCING TO CONDUIT SIZE 28
-	-	-	-	-
RK13-10	-	-	-	-
RK16-10	RK16-13	-	-	-
RK21-10	RK21-13	RK21-16	-	-
RK21-10	RK21-13	RK21-16	-	-
-	RK28-13	RK28-16	RK28-21	-
-	RK28-13	RK28-16	RK28-21	-
-	-	-	RK34-21	RK34-28
-	-	-	RK34-21	RK34-28

TYPE AWB

ANTI-VIBRATION WASHER

Prevents fitting loosening under vibration.

Acetal (POM)
Colour Black (BL) only.



PART NUMBER
AWB13
AWB13
AWB16
AWB21
AWB21
AWB28
AWB28
AWB34
AWB34

IP Rating with
appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

Fitting Characteristics

Approvals

For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit

n/a

n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C



For use with following conduit;
Type PA, PI, CP & PR

n/a

n/a

Type PA, PI, CP & PR conduit

Type PA, PI, CP & PR conduit

n/a

n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C



Adapting non-metallic system

FREELY ROTATING SWIVEL COMPRESSION FITTINGS



PRODUCT CHARACTERISTICS

To order quote part no & colour - e.g. AR13/M16/A/BL

Type
Description
Materials
Example

TYPE A - ADAPTARING

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Locknut supplied with METRIC THREAD ONLY

Polyamide (Nylon) 66 & Acetal (POM)
Colour Black (BL) only.



NOMINAL CONDUIT
SIZE (mm)

	METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
13	M16	AR13/M16/A	PG9	AR13/PG9/A
16	M16	AR16/M16/A	PG11	AR16/PG11/A
16	M20	AR16/M20/A	PG13.5	AR16/PG13/A
21	M20	AR21/M20/A	PG16	AR21/PG16/A
28	M25	AR28/M25/A	PG21	AR28/PG21/A
34	M32	AR34/M32/A	PG29	AR34/PG29/A
42	M42	AR42/M40/A	PG36	AR42/PG36/A
54	M50	AR54/M50/A	PG48	AR54/PG48/A

Note. PF & NPT thread sizes available

TYPE C90 - ADAPTARING

90° ELBOW FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts.
Locknut supplied with METRIC THREAD ONLY

Polyamide (Nylon) 66 & Acetal (POM)
Colour Black (BL) only.



	METRIC THREAD	PART NUMBER
13	M13	AR13/M16/C90
16	M16	AR16/M16/C90
20	M20	AR16/M20/C90
21	M20	AR21/M20/C90
25	M25	AR28/M25/C90
32	M32	AR34/M32/C90
40	M40	AR42/M40/C90
50	M50	AR54/M50/C90

Note. PF & NPT thread sizes available

TYPE T - ADAPTARING

ROTATIONAL INSPECTION T-PIECE
For connection to corrugated flexible conduit.

Polyamide (Nylon) 66 & Acetal (POM)
Colour Black (BL) only.



	PART NUMBER
13	AR13X3/T
16	-
20	AR16X3/T
21	AR21X3/T
25	AR28X3/T
32	AR34X3/T
40	-
50	-

TYPE AWB

ANTI-VIBRATION WASHER
Prevents fitting loosening
under vibration.

Acetal (POM)
Colour Black (BL) only.



	PART NUMBER
13	AWB13
16	-
20	AWB16
21	AWB21
25	AWB28
32	AWB34
40	-
50	-

IP Rating with
appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

For use with following fittings;
Type PA, PI, CP & PR

Type PA, PI, CP & PR conduit

n/a

n/a

n/a

n/a

n/a

Temperature Range

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

Fitting Characteristics



Approvals

For use with following fittings;
Type PA, PI, CP & PR

Type PA, PI, CP & PR conduit

n/a

n/a

n/a

n/a

n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C



For use with following fittings;
Type PA, PI, CP & PR

Type PA, PI, CP & PR conduit

n/a

n/a

n/a

n/a

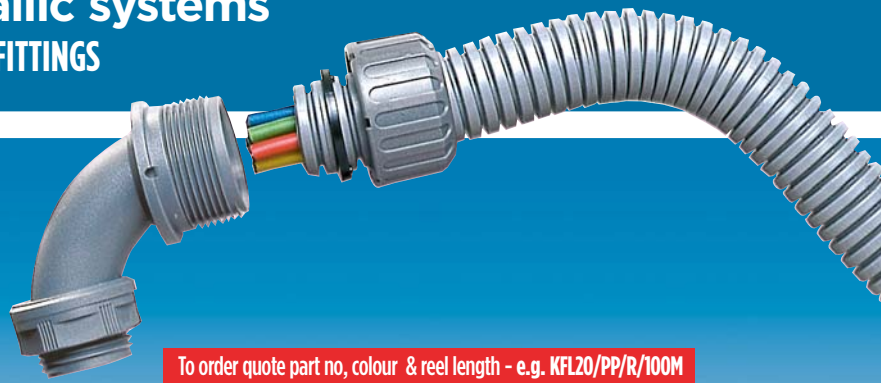
n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C



Specialist non-metallic systems

TYPE KF NON-METALLIC CONDUIT & FITTINGS



PRODUCT CHARACTERISTICS

To order quote part no, colour & reel length - e.g. KFL20/PP/R/100M

Type

Description

Materials

Example

TYPE KF - KORIFIT

MEDIUM WEIGHT 'DRAW-WIRED' CONDUIT

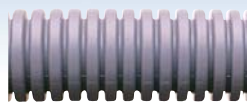
Polyolefin, Nylon Draw-Wire
Colour Black (BL) only.



TYPE KF - KORIFIT

LIGHTWEIGHT CONDUIT

PVCu
Colour Grey (GR) only.



TYPE KF - KORIFIT

STANDARD WEIGHT CONDUIT

PVCu
Colour White (W) only.



TYPE KF - KORIFIT

MEDIUM WEIGHT CONDUIT

PVCu
Colour Black (BL) only.



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)	CONDUIT PITCH
			F = FINE C = COARSE
16	15.8	13.0	F
20	21.2	17.0	F
25	25.6	22.0	F
32	34.5	29.0	F
40	42.5	36.0	C
50	54.5	48.0	C

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
KFM16/PAD	10.3-11.2	48	100
KFM20/PAD	14.2-14.6	60	100
KFM25/PAD	18.2-18.7	75	50
KFM32/PAD	23.2-23.6	96	50
KFM40/PAD	30.5-30.9	160	25
KFM50/PAD	39.2-39.5	200	25

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
KFL16	12.1	25	50
KFL20	14.5	30	50
KFL25	19.9	40	50
-	-	-	-
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
KFS16	11.9	25	50
KFS20	14.3	30	50
KFS25	19.7	40	50
-	-	-	-
-	-	-	-
-	-	-	-

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
KFM16	11.9	25	50
KFM20	14.3	30	50
KFM25	19.7	40	50
-	-	-	-
-	-	-	-
-	-	-	-

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

UV Resistance

Flexibility & Fatigue Life

Fire Performance & EMI Screen

Approvals

System Applications

For use with following fittings;
Korifit

Korifit KC Fittings

Korifit KF Fittings

n/a

n/a

n/a

n/a

Static Applications: -5 °C to +90 °C
Moving Applications: -5 °C to +90 °C

High

Medium Flexibility - Low Fatigue Life



General Construction

For use with following fittings;
Korifit

Korifit KC Fittings

Korifit KF Fittings

n/a

n/a

n/a

n/a

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C

High

Pliable - Low Fatigue Life



Light Duty Commercial & Industrial
Prefabricated Concrete Buildings

For use with following fittings;
Korifit

Type KC & KF Fittings

Type KC & KF Fittings

n/a

n/a

n/a

n/a

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C

High

Pliable - Low Fatigue Life

Self Extinguishing



Light Duty Commercial & Industrial
Prefabricated Concrete Buildings
Retail/Offices

For use with following fittings;
Korifit

Type KC & KF Fittings

Type KC & KF Fittings

n/a

n/a

n/a

n/a

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C

High

Pliable - Low Fatigue Life

Self Extinguishing



Light Duty Commercial & Industrial
Prefabricated Concrete Buildings

Specialist non-metallic systems

TYPE KF & PP NON-METALLIC CONDUIT & FITTINGS

PRODUCT CHARACTERISTICS

To order quote part no, colour & reel length - e.g. KFS16/W/50M

Type

Description

Materials

Example

TYPE KC/A - KORIFIT

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Locknut supplied.

Polyamide (Nylon)
Colour Black (BL), Grey (GR) & White (W).



TYPE KC/C90 - KORIFIT

90° ELBOW FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts.
Locknut supplied.

Polyamide (Nylon)
Colour Black (BL) only.



TYPE KF/A - KORIFIT

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Locknut supplied.

Polyamide (Nylon)
Colour Black (BL) Grey (GR) & White (W).



COUPLER - KORIFIT

STRAIGHT ONE PIECE COUPLER
For coupling to corrugated flexible conduit.

Polyamide (Nylon)
Colour White (W) only.



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)
16	15.8	13.0
16	15.8	13.0
20	21.2	17.0
25	25.6	22.0
32	34.5	29.0
40	42.5	36.0
50	54.5	48.0

METRIC THREAD	PART NUMBER
M16	KC16/M16/A
M20	KC16/M20/A
M20	KC20/M20/A
M25	KC25/M25/A
M32	KC32/M32/A
M40	KC40/M40/A
M50	KC50/M50/A

METRIC THREAD	PART NUMBER
M16	KC16/M16/C90/BL
-	-
M20	KC20/M20/C90/BL
M25	KC25/M25/C90/BL
M32	KC32/M32/C90/BL
-	-
-	-

METRIC THREAD	PART NUMBER
M16	KF16/M16/A/
M20	KF16/M20/A/
M20	KF20/M20/A/
M25	KF25/M25/A/
-	-
-	-
-	-

PART NUMBER
-
-
KF2020/
-
-
-

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

For use with following conduit;
KORIFIT Type KF

Type KF conduit

n/a

n/a

n/a

n/a

n/a

Temperature Range

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C

UV Resistance

Flexibility & Fatigue Life

Fitting Characteristics



Approvals



For use with following conduit;
KORIFIT Type KF

Type KF conduit

n/a

n/a

n/a

n/a

n/a

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C



For use with following conduit;
KORIFIT Type KF

n/a

Type KF conduit

n/a

n/a

n/a

n/a

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C



For use with following conduit;
KORIFIT Type KF

n/a

Type KF conduit

n/a

n/a

n/a

n/a

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C





PRODUCT CHARACTERISTICS

To order quote part no & colour - e.g. KF16/M16/A/W

Type

Description

Materials

Example

TYPE PP

MEDIUM WEIGHT CONDUIT

Polypropylene
Colour Black (BL) only.



TYPE PPA - ADAPTALOK

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Locknut supplied.

Polypropylene
Colour Black (BL) only.



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)
13	13.0	10.0
16	15.8	13.0
21	21.2	17.0
28	28.5	23.0
34	34.5	29.0

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
PPFM13	9.8	5	50
PPFM16	12.1	35	50
PPFM21	16.8	40	50
PPFM28	23.1	60	50
PPFM34	29.1	50	50

METRIC THREAD	PART NUMBER
M16	AL13/M16/PPA
M16	AL16/M16/PPA
M20	AL21/M20/PPA
M25	AL28/M25/PPA
M32	AL34/M32/PPA

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

For use with following fittings;
Adaptalok Type PPA

n/a

n/a

Adaptalok Type PPA Fitting

n/a

n/a

n/a

Temperature Range

Static Applications: -20 °C to +90 °C
Moving Applications: -5 °C to +105 °C

UV Resistance

Medium

Flexibility & Fatigue Life

High Flexibility - Medium Fatigue Life

Fitting Characteristics

Approvals



System Applications

Acid Resisting Environments

For use with following conduit;
Type PP

n/a

n/a

Type PP conduit

n/a

n/a

n/a

Static Applications: -20 °C to +90 °C
Moving Applications: -5 °C to +105 °C



Specialist non-metallic systems

TYPE XF & RF NON-METALLIC CONDUIT & FITTINGS



PRODUCT CHARACTERISTICS

To order quote part no, colour & reel length - e.g. RF12/BL/30M

Type

Description

Materials

Example

TYPE XF - XTRAFLEX

STANDARD WEIGHT CONDUIT

PVCu spiral with plasticised PVC covering
Colour Black (BL) only.



NOMINAL CONDUIT SIZE (mm)	PART NUMBER	OUTSIDE DIAMETER (mm)	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
12	XF12	14.5	10.0	25	30
16	XF16	16.5	12.0	30	30
16	-	-	-	-	-
20	XF20	20.5	16.0	35	30
25	XF25	27.5	22.0	50	30
32	XF32	33.5	28.0	60	30
40	XF40	44.0	38.0	80	30
50	XF50	57.5	50.0	105	30

TYPE RF - XTRAFLEX

STANDARD WEIGHT CONDUIT

PVCu spiral with plasticised PVC covering
Colour Black (BL) & Grey (GR).



PART NUMBER	OUTSIDE DIAMETER (mm)	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
RF12	14.5	10.0	25	30
RF16	16.5	12.0	30	10, 30
-	-	-	-	-
RF20	20.5	16.0	35	10, 30
RF25	27.5	22.0	50	10, 30
RF32	33.5	28.0	60	10, 30
RF40	44.0	38.0	80	10, 30
RF50	57.5	50.0	105	10, 30

TYPE A - XTRAFLEX

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into threaded entries & knockouts.
Supplied with Locknuts - METRIC THREAD ONLY.

Polyamide (Nylon) 66
Colour Black (BL).



METRIC THREAD	PART NUMBER
M16	XF12/M16/D
M16	XF16/M16/D
M20	XF16/M20/D
M20	XF20/M20/D
M25	XF25/M25/D
M32	XF32/M32/D
M40	XF40/M40/D
M50	XF50/M50/D

Note. PG, PF & NPT thread sizes available

TYPE C90 - XTRAFLEX

90° ELBOW FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts.
Supplied with Locknuts - METRIC THREAD ONLY.

Polyamide (Nylon) 66
Colour Black (BL).



METRIC THREAD	PART NUMBER
M16	-
M16	XF16/M16/C90
M20	-
M20	XF20/M20/C90
M25	XF25/M25/C90
M32	XF32/M32/C90
M40	-
M50	-

Note. PG, PF & NPT thread sizes available

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

For use with following fittings;
Xtraflex

n/a

Xtraflex Fittings

n/a

n/a

n/a

n/a

Temperature Range

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C

UV Resistance

High

Flexibility & Fatigue Life

Very High Flexibility - Medium Fatigue Life

Fire Performance & EMI Screen

Self Extinguishing

Approvals



System Applications

Torsional Equipment

For use with following fittings;
Xtraflex

n/a

n/a

n/a

Xtraflex Fittings

n/a

n/a

Static Applications: -20 °C to +60 °C
Moving Applications: -5 °C to +60 °C

High

Medium Flexibility - Medium Fatigue Life

Self Extinguishing



Direct Burial in Concrete

For use with following fittings;
XTRAFLEX Type XF & RF

n/a

Type XF conduit

n/a

Type RF conduit

n/a

n/a

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C

Fitting Characteristics



For use with following conduit;
XTRAFLEX Type XF & RF

n/a

Type XF conduit

n/a

Type RF conduit

n/a

n/a

Static Applications: -5 °C to +60 °C
Moving Applications: -5 °C to +60 °C



Non-metallic accessories

LOCKNUTS, CONDUIT CLIPS, THREAD CONVERTORS, END CAPS, SEALING WASHERS, END SLEEVES & REMOVAL TOOL

PRODUCT CHARACTERISTICS

Type
Description
Materials
Example

TYPE LNP

NYLON LOCKNUTS

Polyamide (Nylon) 6
Colour Black (BL) & Grey (GR).



METRIC THREAD	PART NUMBER BLACK	PART NUMBER GREY	PG THREAD	PART NUMBER BLACK	PART NUMBER GREY
M12	LNPB/M12	-	PG7	LNPB/PG7	LNPB/PG7
M16	LNPB/M16	LNPB/M16	PG9	LNPB/PG9	LNPB/PG9
M20	LNPB/M20	LNPB/M20	PG11	LNPB/PG11	LNPB/PG11
M25	LNPB/M25	LNPB/M25	PG13	LNPB/PG13	LNPB/PG13
M32	LNPB/M32	LNPB/M32	PG16	LNPB/PG16	LNPB/PG16
M40	LNPB/M40	LNPB/M40	PG21	LNPB/PG21	LNPB/PG21
M50	LNPB/M50	LNPB/M50	PG29	LNPB/PG29	LNPB/PG29
M63	LNPB/M63	LNPB/M63	PG36	LNPB/PG36	LNPB/PG36
			PG42	LNPB/PG42	LNPB/PG42
			PG48	LNPB/PG48	LNPB/PG48

For metallic locknuts please refer to page

TYPE SW

THREAD SEALING WASHER - CAPTIVE

Rubber - For use with Nylon threaded fittings
Colour Black (BL), Yellow (Y) & Blue (B).
Nylon - For use with swivel metal threaded fittings
Colour Black (BL), Yellow (Y) & Blue (B).



TO FIT THREAD (METRIC)	PART NUMBER	TO FIT THREAD (NPT & PF)	PART NUMBER (BLACK ONLY)
M12	SWM12	3/8"	SW038
M16	SWM16	1/2"	SW050
M20	SWM20	3/4"	SW075
M25	SWM25	1"	SW100
M32	SWM32	1 1/4"	SW125
M40	SWM40	1 1/2"	SW150
M50	SWM50	2"	SW200
M63	SWM63		

To order add suffix to part no.
i.e. Rubber Yellow - SWM12Y
i.e. Nylon Blue - SWM20NB

TYPE AC

CONDUIT CLIPS with integral lid.

Polyamide (Nylon) 66
Impact Modified Nylon - only ST version **NEW**
Colour Black (BL) & Grey (GR).



NOMINAL CONDUIT SIZE (mm)	PART NUMBER BLACK	PART NUMBER GREY	PART NUMBER BLACK
10	ACB10	ACG10	-
13	ACB13	ACG13	ACB13/ST
16	ACB16	ACG16	ACB16/ST
21	ACB21	ACG21	ACB21/ST
28	ACB28	ACG28	ACB28/ST
34	ACB34	ACG34	ACB34/ST
42	ACB42	ACG42	ACB42/ST
48	ACB48	ACG48	ACB48/ST
54	ACB54	ACG54	ACB54/ST

Type
Description
Materials
Example

TYPE TC/R

NYLON THREAD CONVERTORS/REDUCERS

First thread in Part No. is always the male.

Polyamide (Nylon) 6
Colour Black (BL) only.



EXTERNAL THREAD	M16 INTERNAL THREAD	M20 INTERNAL THREAD	M25 INTERNAL THREAD
M20	P/M20-M16/R	-	-
M25	-	-	-
PG9	P/PG9-M16/TC	-	-
PG11	P/PG11-M16/TC	-	-
PG13	P/PG13-M16/TC	-	-
PG16	P/PG16-M16/TC	-	-
PG21	-	-	P/PG21-M25/TC

A range of Brass thread converters are also available on request

TYPE GZ

END SLEEVES

For sealing cables to non-metallic conduit

Rubber
Colour Black (BL) only.



NOMINAL CONDUIT SIZE (mm)	PART NUMBER
13	GZ9
16	GZ11
21	GZ13
28	GZ21
34	GZ29
42	GZ36

TYPE EC

END CAPS

Provide a smooth finish to prevent any damage to cable when not terminated with a fitting.

Acetal (POM)
Colour Black (BL) only.



NOMINAL CONDUIT SIZE (mm)	PART NUMBER
13	ECB13
16	ECB16
21	ECB21
28	ECB28
34	ECB34
42	ECB42
48	ECB48
54	ECB54

TYPE RT

ADAPTALOK REMOVAL TOOL

To Provide easy removal of
Adaptalok Fittings

Polyamide (Nylon) 6
Colour Black (BL) only.



ADAPTALOK FITTING SIZE (mm)	PART NUMBER
13	AL13RT
16	AL16RT
21	AL21RT
28	AL28RT
34	AL34RT
42	AL42RT
48	AL48RT
54	AL54RT

Non-metallic accessories **NEW**

FASTLOK ADAPTERS & MANIFOLD BOXES - TYPE FK & TYPE MB

To order quote part no & colour - e.g. FK20/BL

PRODUCT CHARACTERISTICS

Type

TYPE FK - FASTLOK ADAPTER **NEW**

Description

STRAIGHT FITTING

Quick fit, front of panel mounting adapter, into which can be screwed any metric threaded product.

Materials

Polyamide (Nylon) 66
Colour Black (BL) & Grey (GR).

Example



HOLE DIAMETER FOR FASTLOK (mm)

	TO SUIT METRIC THREAD	PART NUMBER	TO SUIT METRIC THREAD - WITHOUT SEALS
20.5	M20	FK20/	FK20/BL
25.5	M25	FK25/	FK25/BL
40.5	M40	FK40/	FK40/BL

Fastlok adapters use seals to provide an ingress protection level of IP66, 67, 68 and 69k. They are a superior alternative to 'Push-in' type fittings, they provide better protection and are simpler to install and remove. Fastlok provides minimum intrusion into the enclosure space

Panel Thickness

Can be installed into 3.5mm Panel (max)

IP Rating with appropriate fitting

IP66

Yes

IP67

Yes

IP68

Yes (4 bar 30 mins)

IP69k

Yes

Temperature Range

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C

Fitting Characteristics

Approvals Pending



Type

TYPE MB - MANIFOLD BOXES **NEW**

Description

MULTIWAY ADAPTERS - Non metallic enclosure which can be machined to take upto eight Adaptalok ATS™ fittings (or other devices) in a variety of configurations and sizes. Eg. 'Y', 'T', 'X', 'V' etc. Each box has a removable cover for ease of access. The box seal is moulded, so remains captive for ease of installation.

Materials

Polyamide (Nylon) 66 / TPE
Box Colour Black (BL) & Grey (GR).
Elastomer Colour Yellow (Y), Blue (B)

Example



BOX TYPE

EXTERNAL DIMENSIONS - LID
(MM) DIA X HEIGHT

EXTERNAL DIMENSIONS
FIXING LUGS (MM)

MAX THREADED
ENTRY PER FACE

PART NUMBER

1
2
3

100 x 40
136 x 55
200 x 80

120
155
220

M20
M32
M54

MB21/
MB34/
MB54/

Each manifold is provided with eight blank sides which require drilling/machining to suit the application. Manifolds can be supplied ready drilled to order subject to minimum order quantities. Threaded fittings with locknuts of Fastlok adapters can be used in each entry.

IP Rating with appropriate fitting

IP66

Yes

IP67

Yes

IP68

Yes (2 bar 30 mins)

IP69k

Yes

Temperature Range

Static Applications: -50 °C to +120 °C
Moving Applications: -45 °C to +120 °C

Fire Performance



Approvals Pending



UV Resistance

Very High

Non-metallic accessories **NEW**

FASTLOK ADAPTERS & MANIFOLD BOXES ASSEMBLY & CONFIGURATIONS

FASTLOK ASSEMBLY

1. Drill hole into enclosure
2. Insert Fastlok into the hole
3. Tighten left -hand thread to secure to enclosure
4. Screw fitting into Fastlok

Exploded view of Fastlok, Enclosure
& Fitting Assembly



Fastlok fits quickly and is secured easily without
the need for any additional tools



Minimum intrusion into enclosure



MANIFOLD BOXES - EXAMPLE CONFIGURATIONS



Non-metallic accessories

HINGED 'T' & 'Y' PIECES

PRODUCT CHARACTERISTICS

Type

TYPE 'T'

Description

HINGED 'T' PIECE

Materials

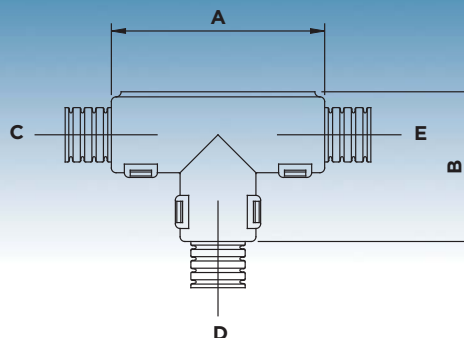
Polyamide (Nylon) 66

Colour Black (BL) only.

Example



EXTERNAL 'T' PIECE DIMENSIONS



PART NUMBER	NOMINAL DIMENSIONS mm	NOMINAL DIMENSIONS (mm)	NOMINAL CONDUIT SIZE	NOMINAL CONDUIT SIZE	NOMINAL CONDUIT SIZE	NOMINAL WEIGHT (g)	PART NUMBER	NOMINAL DIMENSIONS mm	NOMINAL DIMENSIONS (mm)	NOMINAL CONDUIT SIZE	NOMINAL CONDUIT SIZE	NOMINAL CONDUIT SIZE	NOMINAL WEIGHT (g)
	A	B	C	D	E	(gms)		A	B	C	D	E	(gms)
T101010/BL	45.2	31.1	10	10	10	4.5g	T211321/BL	56.5	41.0	21	13	21	8.8g
T101310/BL	45.2	31.1	10	13	10	4.5g	T211613/BL	56.5	41.0	21	16	13	8.4g
T101613/BL	45.2	31.1	10	16	13	5.0g	T211616/BL	56.5	41.0	21	16	16	8.7g
T111111/BL	45.2	31.1	11	11	11	5.1g	T211621/BL	56.5	41.0	21	16	21	8.8g
T111113/BL	45.2	31.1	11	11	13	4.9g	T212113/BL	56.5	41.0	21	21	13	8.6g
T131010/BL	45.2	31.1	13	10	10	4.5g	T212116/BL	56.5	41.0	21	21	16	8.9g
T131013/BL	45.2	31.1	13	10	13	4.5g	T212121/BL	56.5	41.0	21	21	21	9.1g
T131111/BL	45.2	31.1	13	11	11	4.9g	T251025/BL	64.5	48.5	25	10	25	13.0g
T131113/BL	45.2	31.1	13	11	13	4.5g	T251125/BL	64.5	48.5	25	11	25	13.3g
T131310/BL	45.2	31.1	13	13	10	4.5g	T251321/BL	64.5	48.5	25	13	21	13.3g
T131311/BL	45.2	31.1	13	13	11	4.9g	T251325/BL	64.5	48.5	25	13	25	13.8g
T131313/BL	45.2	31.1	13	13	13	4.5g	T251821/BL	64.5	48.5	25	16	21	13.4g
T131613/BL	45.2	31.1	13	16	13	5.0g	T251825/BL	64.5	48.5	25	16	25	13.9g
T161013/BL	49.1	34.8	16	10	13	6.0g	T252121/BL	64.5	48.6	25	21	21	14.0g
T161113/BL	49.1	34.8	16	11	13	5.8g	T252125/BL	64.5	48.6	25	21	25	14.5g
T161116/BL	49.1	34.8	16	11	16	6.0g	T252521/BL	64.5	48.6	25	25	21	14.5g
T161313/BL	49.1	34.8	16	13	13	5.7g	T252525/BL	64.5	48.6	25	25	25	15.0g
T161316/BL	49.1	34.8	16	13	16	5.9g	T281021/BL	64.5	48.5	28	10	21	13.2g
T161613/BL	49.1	34.8	16	16	13	5.9g	T281028/BL	64.5	48.6	28	10	28	13.5g
T161616/BL	49.1	34.8	16	16	16	6.2g	T281121/BL	64.5	48.5	28	11	21	13.3g
T162113/BL	49.1	34.8	16	21	13	6.3g	T281128/BL	64.5	48.6	28	11	28	13.8g
T162116/BL	49.1	34.8	16	21	16	6.5g	T281321/BL	64.5	48.6	28	13	21	13.2g
T211016/BL	56.5	41.0	21	10	16	8.5g	T281325/BL	64.5	48.6	28	13	25	13.6g
T211021/BL	56.5	41.0	21	10	21	8.5g	T281328/BL	64.5	48.6	28	13	28	13.5g
T211116/BL	56.5	41.0	21	11	16	8.6g	T281621/BL	64.5	48.6	28	16	21	13.5g
T211121/BL	56.5	41.0	21	11	21	8.8g	T281625/BL	64.5	48.6	28	16	25	13.7g
T211316/BL	56.5	41.0	21	13	16	8.6g	T281628/BL	64.5	48.6	28	16	28	13.6g
							T282121/BL	64.5	48.6	28	21	21	13.5g
							T282125/BL	64.5	48.6	28	21	25	14.3g
							T282128/BL	64.5	48.6	28	21	28	14.2g
							T282525/BL	64.5	48.6	28	25	25	14.9g
							T282528/BL	64.5	48.6	28	25	28	14.8g
							T282828/BL	64.5	48.6	28	28	28	14.2g
							T341625/BL	72.0	55.3	34	16	25	18.4g
							T341634/BL	72.0	55.3	34	16	34	18.7g
							T342125/BL	72.0	55.3	34	21	25	18.8g
							T342128/BL	72.0	55.3	34	21	28	18.8g
							T342134/BL	72.0	55.3	34	21	34	19.3g
							T342525/BL	72.0	55.3	34	25	25	19.9g
							T342534/BL	72.0	55.3	34	25	34	19.9g
							T343434/BL	72.0	55.3	34	34	34	21.2g

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

For use with following conduit:
Type PA, PI, & PR

Type PA, PI, & PR conduit

n/a

n/a

n/a

n/a

n/a

Temperature Range

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

Fitting Characteristics

Snap Fit

Approvals





PRODUCT CHARACTERISTICS

Type
Description
Materials
Example

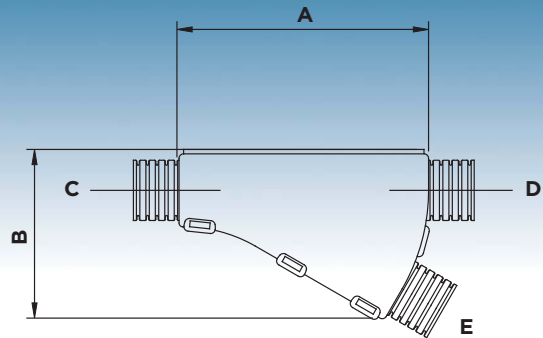
TYPE 'Y'

HINGED 'Y' PIECE

Polyamide (Nylon) 66
Colour Black (BL) only.



EXTERNAL 'Y' PIECE DIMENSIONS



PART NUMBER	NOMINAL DIMENSIONS (mm) A	NOMINAL DIMENSIONS (mm) B	NOMINAL CONDUIT SIZE C	NOMINAL CONDUIT SIZE D	NOMINAL CONDUIT SIZE E	NOMINAL WEIGHT (g)
Y101010/BL	54.6	37.1	10	10	10	6.5g
Y101013/BL	54.6	37.1	10	10	10	6.7g
Y101210/BL	54.6	37.1	10	10	10	6.7g
Y111111/BL	54.6	37.1	10	10	10	6.0g
Y131010/BL	54.6	37.1	10	10	10	6.5g
Y131011/BL	54.6	37.1	10	10	10	6.1g
Y131111/BL	54.6	37.1	10	10	10	6.0g
Y131310/BL	54.6	37.1	10	10	10	6.0g
Y131311/BL	54.6	37.1	10	10	10	6.0g
Y131313/BL	54.6	37.1	10	10	10	6.0g
Y161013/BL	54.9	39.8	10	10	10	7.0g
Y161111/BL	54.9	39.8	10	10	10	7.0g
Y161310/BL	54.9	39.8	10	10	10	7.0g
Y161311/BL	54.9	39.8	10	10	10	7.0g
Y161313/BL	54.9	39.8	10	10	10	7.0g
Y161610/BL	54.9	39.8	10	10	10	6.5g
Y161611/BL	54.9	39.8	10	10	10	6.5g
Y161613/BL	54.9	39.8	10	10	10	6.5g
Y211010/BL	42.8	41.0	12	10	10	5.5g
Y211310/BL	42.8	41.0	12	10	10	5.5g
Y211311/BL	42.8	41.0	12	10	10	5.5g
Y211313/BL	42.8	41.0	12	10	10	5.5g
Y211610/BL	48.2	39.8	12	10	10	6.5g
Y211613/BL	48.2	39.6	12	10	10	6.5g
Y211616/BL	63.6	47.5	12	10	10	9.5g

PART NUMBER	NOMINAL DIMENSIONS (mm) A	NOMINAL DIMENSIONS (mm) B	NOMINAL CONDUIT SIZE C	NOMINAL CONDUIT SIZE D	NOMINAL CONDUIT SIZE E	NOMINAL WEIGHT (g)
Y212110/BL	57.9	44.9	12	12	10	8.5g
Y212111/BL	57.9	44.9	12	12	10	8.5g
Y212113/BL	57.9	44.9	12	12	10	8.5g
Y212116/BL	63.6	47.5	12	12	10	9.5g
Y252113/BL	54.0	48.8	11	12	10	11.5g
Y252116/BL	54.0	48.8	11	12	10	11.4g
Y252121/BL	77.0	60.2	11	12	10	18.0g
Y252510/BL	67.3	55.9	13	12	10	14.5g
Y252511/BL	67.3	55.9	13	12	10	14.5g
Y252513/BL	67.3	55.9	11	11	10	14.5g
Y252516/BL	67.3	55.9	11	11	10	14.5g
Y252521/BL	77.0	60.2	11	11	12	17.4g
Y252525/BL	90.7	67.0	11	11	11	20.6g
Y282113/BL	54.0	48.8	13	12	10	11.2g
Y282116/BL	54.0	48.8	13	12	10	11.0g
Y282121/BL	76.5	60.0	13	11	11	17.5g
Y282513/BL	67.3	55.9	13	11	10	14.2g
Y282516/BL	67.3	55.9	13	11	10	14.1g
Y282521/BL	76.5	60.0	13	11	12	17.0g
Y282525/BL	90.7	67.0	13	11	11	20.3g
Y282810/BL	67.3	55.9	13	13	10	13.8g
Y282813/BL	67.3	55.9	13	13	10	13.9g
Y282816/BL	67.3	55.9	13	13	10	13.8g
Y282821/BL	76.5	60.0	13	13	12	16.7g
Y282825/BL	90.7	67.0	13	13	11	20.1g
Y282828/BL	90.7	67.0	13	13	13	19.8g
Y342516/BL	100.6	75.0	13	13	13	30.3g
Y342521/BL	100.6	76.0	13	13	13	30.6g
Y342525/BL	100.6	78.8	13	13	13	31.0g
Y342534/BL	100.6	78.8	13	13	13	31.8g
Y343416/BL	100.6	75.0	13	13	13	30.4g
Y343421/BL	100.6	76.0	13	13	13	31.2g
Y343425/BL	100.6	82.1	13	13	13	31.8g
Y343434/BL	100.6	82.1	13	13	13	32.4g

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

For use with following conduit;
Type PA, PI, & PR

Type PA, PI, & PR conduit

n/a

n/a

n/a

n/a

n/a

Fitting Characteristics

Snap Fit

Approvals



Hi-Spec non-metallic flexible systems

TYPE PK, PKTC, PKSS, PRTC & PRSS SPECIALIST LOW FIRE HAZARD, EMI SCREEN CONDUIT & FITTINGS



PRODUCT CHARACTERISTICS

To order quote part no, colour & reel length - e.g. PKFS13/BL/25M

Type
Description
Materials
Example

TYPE PK - PEEK

UNBRAIDED CONDUIT

Polyketone
Colour Black (BL) only.



TYPE A - PEEK

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into knockouts using a locknut.

Nickel plated brass



TYPE PKTC

SUPER LOW FIRE HAZARD OVERBRAIDED

Polyketone Conduit/Tinned Copper overbraid



TYPE PKSS

SUPER LOW FIRE HAZARD OVERBRAIDED

Polyketone Conduit/Stainless Steel overbraid



NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)	CONDUIT PITCH	F = FINE C = COARSE
13	14.1	10.0	F	
16	17.2	13.0	F	
21	23.6	17.0	F	
28	30.0	23.0	C	
34	36.0	29.0	C	

PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
PKFS13	10.0	35	25, 50
PKFS16	11.7	45	25, 50
PKFS21	16.6	60	25, 50
PKCS28	21.7	65	25, 50
PKCS34	27.7	80	25, 50

METRIC THREAD	PART NUMBER
M16	PK13/M16/A
M16	PK16/M16/A
M20	PK21/M20/A
M25	PK28/M25/A
M32	PK34/M32/A

NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)	CONDUIT PITCH	F = FINE C = COARSE
13	14.1	10.0	F	
16	17.2	13.0	F	
21	23.6	17.0	F	
28	30.0	23.0	C	
34	36.0	29.0	C	

TYPE PKTC PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
PKFSTC13	10.0	35	25, 50
PKFSTC16	11.7	45	25, 50
PKFSTC21	16.6	60	25, 50
PKCSTC28	21.7	65	25, 50
PKCSTC34	27.7	80	25, 50

TYPE PKSS PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
PKFSSS13	10.0	35	25, 50
PKFSSS16	11.7	45	25, 50
PKFSSS21	16.6	60	25, 50
PKCSSS28	21.7	65	25, 50
PKCSSS34	27.7	80	25, 50

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

Temperature Range

For use with following fittings;
Type PK

n/a

n/a

Type PK Fitting

Type PK Fitting

n/a

n/a

Static Applications: -60 °C to +260 °C
Moving Applications: -45 °C to +260 °C

UV Resistance

Very High

Flexibility & Fatigue Life

High Flexibility - High Fatigue Life

Fire Performance & EMI Screen



For use with following conduit;
PEEK Type PK

n/a

n/a

Type PK conduit

Type PK conduit

n/a

n/a

Static Applications: -60 °C to +260 °C
Moving Applications: -45 °C to +260 °C



For use with following fittings;
HI-SPEC Type A & B

n/a

n/a

HI-SPEC Type A & B Fitting

HI-SPEC Type A & B Fitting

n/a

n/a

Static Applications: -60 °C to +260 °C
Moving Applications: -45 °C to +260 °C



Safety Critical Environment
Nuclear Plant

For use with following fittings;
HI-SPEC Type A & B

n/a

n/a

HI-SPEC Type A & B Fitting

HI-SPEC Type A & B Fitting

n/a

n/a

Static Applications: -60 °C to +260 °C
Moving Applications: -45 °C to +260 °C



Harsh Environments
Petrochemical
Offshore



PRODUCT CHARACTERISTICS

Type

Description

Materials

Example

NOMINAL CONDUIT SIZE (mm)	OUTSIDE DIAMETER (mm)	NW CONDUIT SIZE (mm)	CONDUIT PITCH	F = FINE C = COARSE
16	17.2	13.0	F	
21	23.6	17.0	F	
28	30.0	23.0	C	
34	36.0	29.0	C	
42	43.5	36.0	C	
54	56.5	48.0	C	

TYPE PRTC

ENHANCED LOW FIRE HAZARD OVERBRAIDED

PA (Nylon) 6 Conduit/Tinned Copper overbraid



TYPE PRTC PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
PRFSTC16	11.7	35	50
PRFSTC21	16.6	45	50
PRCSTC28	21.7	50	50
PRCSTC34	27.7	60	50
PRCSTC42	35.1	65	25
PRCSTC54	46.6	75	25

TYPE PRSS

ENHANCED LOW FIRE HAZARD OVERBRAIDED

PA (Nylon) 6 Conduit/Tinned Stainless Steel overbraid



TYPE PRSS PART NUMBER	INSIDE DIAMETER (mm)	MINIMUM BEND RADIUS (mm)	REEL LENGTH (m)
PRFSSS16	11.7	35	50
PRFSSS21	16.6	45	50
PRCSSS28	21.7	50	50
PRCSSS34	27.7	60	50
PRCSSS42	35.1	65	25
PRCSSS54	46.6	75	25

TYPE A - HI-SPEC

STRAIGHT FITTING - FIXED EXTERNAL THREAD
For insertion into threaded entries & knockouts.

Nickel plated brass



METRIC THREAD	PART NUMBER
M16	PBF16/M16/A
M20	PBF21/M20/A
M25	PBC28/M25/A
M32	PBC34/M32/A
M40	PBC42/M40/A
-	-

TYPE B - HI-SPEC

STRAIGHT FITTING - SWIVEL EXTERNAL THREAD
For insertion into threaded entries & knockouts.

Nickel plated brass



METRIC THREAD	PART NUMBER	PG THREAD	PART NUMBER
M16	PBF16/M16/B	PG11	PBF16/PG11/B
M20	PBF21/M20/B	PG16	PBF21/PG16/B
M25	PBC28/M25/B	PG21	PBC28/PG21/B
M32	PBC34/M32/B	PG29	PBC34/PG29/B
M40	PBC42/M40/B	PG36	PBC42/PG36/B
M50	PBC54/M50/B	PG48	PBC54/PG48/B

IP Rating with appropriate fitting

IP40

IP65

IP66

IP67

IP68

NEW IP69k

For use with following fittings;
HI-SPEC Type A & B

n/a

n/a

HI-SPEC Type A & B Fittings

HI-SPEC Type A & B Fittings

n/a

n/a

Temperature Range

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

UV Resistance

Very High

Flexibility & Fatigue Life

High Flexibility - Medium Fatigue Life

Fire Performance & EMI Screen



Approvals



System Applications

Rail Systems
Safety Critical Environments

For use with following fittings;
HI-SPEC Type A & B

n/a

n/a

HI-SPEC Type A & B Fittings

HI-SPEC Type A & B Fittings

n/a

n/a

Static Applications: -40 °C to +120 °C
Moving Applications: -5 °C to +120 °C

Very High

High Flexibility - Medium Fatigue Life



Rail Systems
Harsh Environments

For use with following conduit;
Type PKTC, PKSS, PRTC & PRSS

n/a

n/a

Type PKTC, PKSS, PRTC & PRSS conduit

Type PKTC, PKSS, PRTC & PRSS conduit

n/a

n/a

Static Applications: -60 °C to +260 °C
Moving Applications: -45 °C to +260 °C



For use with following conduit;
Type PKTC, PKSS, PRTC & PRSS

n/a

n/a

Type PKTC, PKSS, PRTC & PRSS conduit

Type PKTC, PKSS, PRTC & PRSS conduit

n/a

n/a

Static Applications: -60 °C to +260 °C
Moving Applications: -45 °C to +260 °C

