

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	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
	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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KEY:



Commercial Contracting



Machine Tools



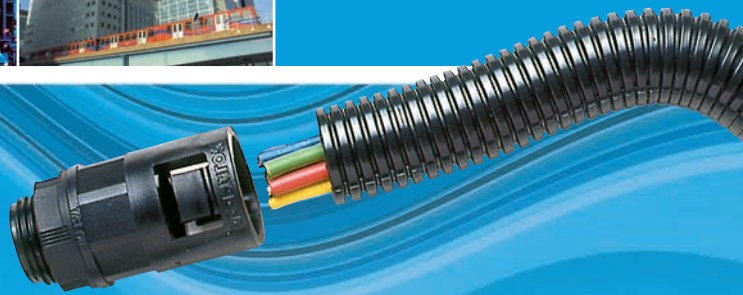
Rail



Marine



Automation



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

KORIFIT
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. PAF13/BL/50M

Type

Description

Materials

Example

TYPE PA

LIGHTWEIGHT CONDUIT

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



TYPE PA NEW

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
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

F = FINE C = COARSE

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
-	-	-	-
-	-	-	-
PAFL28	22.2	50	50
-	-	-	-
PAFL34	27.9	60	50
PAFL42	35.2	65	25
PAFL54	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
-	-	-	-
-	-	-	-
PAFL28-S	22.2	50	50
-	-	-	-
PAFL34-S	27.9	60	50
PAFL42-S	35.2	65	25
PAFL54-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



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



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

Adapting & Jumbo Fittings

Jumbo Fittings + SK Seal

Adaptalok, ATSor 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



NF
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 NEW 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 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	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, 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: -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, 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: -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, 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: -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

To order quote part no, colour & reel length - e.g. PRFS13/BL/25M

Type

Description

Materials

Example

TYPE PR

STANDARD WEIGHT CONDUIT

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



TYPE CP NEW

MEDIUM WEIGHT CONDUIT

Polyester
Colour Black (BL) only.



TYPE PADL NEW

STANDARD WEIGHT CONDUIT

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

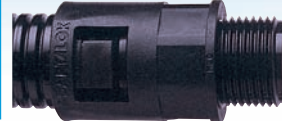


TYPE A - ADAPTALOK NEW

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	106.0	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 NEW

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, Adapting, Adaptaseal & Jumbo

Adapting & 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

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



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	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) .



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	-	-

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) .



PART NUMBER

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

3-WAY COUPLER

3-WAY PA66 FITTING
For coupling to corrugated flexible conduit

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



NOMINAL CONDUIT
SIZE COMBINATION

PART NUMBER

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

INSERT SEAL - NEW

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

Thermoplastic Elastomer
Colour Yellow (Y) only.



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

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

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



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

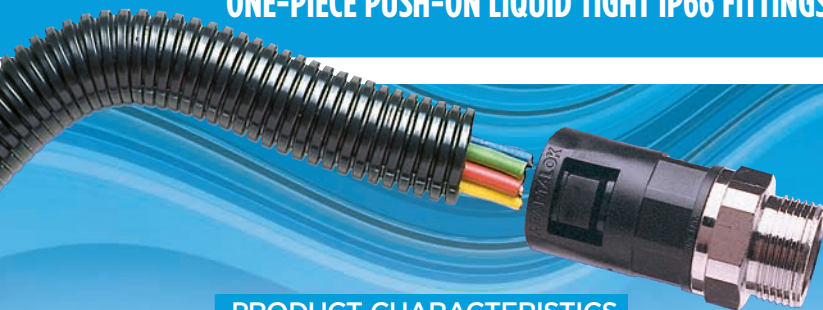
Type PA, PI, CP & PR conduit + ALS Seal

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



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) .



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) .



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

NOMINAL CONDUIT SIZE (mm)

13
16
21
21
28
34
42
54
54

METRIC THREAD

M16
M16
M20
-
M25
M32
M40
M50
M63

PART NUMBER

AL13/M16/SA/
AL16/M16/SA/
AL21/M20/SA/
-
AL28/M25/SA/
AL34/M32/SA/
AL42/M40/SA/
AL54/M50/SA/
AL54/M63/SA/

PG THREAD

PG9
PG11
PG13.5
PG16
PG21
PG29
PG36
PG48
-

PART NUMBER

AL13/PG9/SA/
AL16/PG11/SA/
AL21/PG13/SA/
AL21/PG16/SA/
AL28/PG21/SA/
AL34/PG29/SA/
AL42/PG36/SA/
AL54/PG48/SA/
-

METRIC THREAD

M16
M16
M20
-
M25
M32
M40
M50
M63

PART NUMBER

AL13/M16/CS90/
AL16/M16/CS90/
AL21/M20/CS90/
-
AL28/M25/CS90/
AL34/M32/CS90/
AL42/M40/CS90/
AL54/M50/CS90/
AL54/M63/CS90/

PG THREAD

PG9
PG11
PG13.5
PG16
PG21
PG29
PG36
PG48
-

PART NUMBER

AL13/PG9/CS90/
AL16/PG11/CS90/
AL21/PG13/CS90/
AL21/PG16/CS90/
AL28/PG21/CS90/
AL34/PG29/CS90/
AL42/PG36/CS90/
AL54/PG48/CS90/
-

METRIC THREAD

M16
M16
M20
-
M25
M32
M40
M50
M63

PART NUMBER

AL13/M16/S45/
AL16/M16/S45/
AL21/M20/S45/
-
AL28/M25/S45/
AL34/M32/S45/
AL42/M40/S45/
AL54/M50/S45/
AL54/M63/S45/

PG THREAD

PG9
PG11
PG13.5
PG16
PG21
PG29
PG36
PG48
-

PART NUMBER

AL13/PG9/S45/
AL16/PG11/S45/
AL21/PG13/S45/
AL21/PG16/S45/
AL28/PG21/S45/
AL34/PG29/S45/
AL42/PG36/S45/
AL54/PG48/S45/
-

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

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

Description

Materials

Example

TYPE SFA - ADAPTALOK

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

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



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/	-	-

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



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/

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



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/
-	-	-	-

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
13 5/8" - 24		AL13/U063/A/	21 1/8" - 18		AL21/U144/A/
13 3/4" - 20		AL13/U075/A/	21 1/2" - 18		AL21/U175/A/
13 1/2" - 24		AL13/U088/A/	28 1/8" - 20		AL28/U088/A/
16 5/8" - 24		AL16/U063/A/	28 5/8" - 20		AL28/U094/A/
16 3/4" - 20		AL16/U075/A/	28 1" - 20		AL28/U100/A/
16 5/8" - 20		AL16/U081/A/	28 1 1/8" - 18		AL28/U119/A/
16 1/2" - 20		AL16/U088/A/	28 1 1/2" - 18		AL28/U138/A/
16 5/8" - 20		AL16/U094/A/	28 1 3/4" - 18		AL28/U144/A/
16 1" - 20		AL16/U100/A/	28 1 7/8" - 18		AL28/U175/A/
16 1 1/8" - 18		AL16/U119/A/	28 2" - 18		AL28/U200/A/
16 1 1/2" - 18		AL16/U131/A/	28 2 1/4" - 18		AL28/U225/A/
21 5/8" - 20		AL21/U075/A/	34 1" - 20		AL34/U100/A/
21 1/2" - 20		AL21/U088/A/	34 1 1/8" - 18		AL34/U119/A/
21 5/8" - 20		AL21/U094/A/	34 1 1/2" - 18		AL34/U144/A/
21 1" - 20		AL21/U100/A/	34 1 3/4" - 18		AL34/U175/A/
21 1 1/8" - 18		AL21/U113/A/	34 2" - 18		AL34/U200/A/
21 1 1/2" - 18		AL21/U119/A/	42 1 1/4" - 18		AL42/U175/A/
21 1 3/8" - 18		AL21/U131/A/	42 2" - 18		AL42/U200/A/
21 1 1/4" - 18		AL21/U138/A/			

NOMINAL CONDUIT SIZE (mm)	CONNECTOR UNEF THREAD	PART NUMBER	NOMINAL CONDUIT SIZE (mm)	CONNECTOR UNEF THREAD	PART NUMBER
13 5/8" - 24		AL13/U063/C90/	21 1/8" - 18		AL21/U144/C90/
13 3/4" - 20		AL13/U075/C90/	21 1/2" - 18		AL21/U175/C90/
13 1/2" - 20		AL13/U088/C90/	28 1/8" - 20		AL28/U088/C90/
16 5/8" - 24		AL16/U063/C90/	28 5/8" - 20		AL28/U094/C90/
16 3/4" - 20		AL16/U075/C90/	28 1" - 20		AL28/U100/C90/
16 5/8" - 20		AL16/U081/C90/	28 1 1/8" - 18		AL28/U119/C90/
16 1/2" - 20		AL16/U088/C90/	28 1 1/2" - 18		AL28/U138/C90/
16 5/8" - 20		AL16/U094/C90/	28 1 3/4" - 18		AL28/U144/C90/
16 1" - 20		AL16/U100/C90/	28 1 7/8" - 18		AL28/U175/C90/
16 1 1/8" - 18		AL16/U119/C90/	28 2" - 18		AL28/U200/C90/
16 1 1/2" - 18		AL16/U131/C90/	28 2 1/4" - 18		AL28/U225/C90/
21 5/8" - 20		AL21/U075/C90/	34 1" - 20		AL34/U100/C90/
21 1/2" - 20		AL21/U088/C90/	34 1 1/8" - 18		AL34/U119/C90/
21 5/8" - 20		AL21/U094/C90/	34 1 1/2" - 18		AL34/U144/C90/
21 1" - 20		AL21/U100/C90/	34 1 3/4" - 18		AL34/U175/C90/
21 1 1/8" - 18		AL21/U113/C90/	34 2" - 18		AL34/U200/C90/
21 1 1/2" - 18		AL21/U119/C90/	42 1 1/4" - 18		AL42/U175/C90/
21 1 3/8" - 18		AL21/U131/C90/	42 2" - 18		AL42/U200/C90/
21 1 1/4" - 18		AL21/U138/C90/			

NOMINAL CONDUIT SIZE (mm)	CONNECTOR UNEF THREAD	PART NUMBER	NOMINAL CONDUIT SIZE (mm)	CONNECTOR UNEF THREAD	PART NUMBER
13 5/8" - 24		AL13/U063/45/	21 1/8" - 18		AL21/U144/45/
13 3/4" - 20		AL13/U075/45/	21 1/2" - 18		AL21/U175/45/
13 1/2" - 20		AL13/U088/45/	28 1/8" - 20		AL28/U088/45/
16 5/8" - 24		AL16/U063/45/	28 5/8" - 20		AL28/U094/45/
16 3/4" - 20		AL16/U075/45/	28 1" - 20		AL28/U100/45/
16 5/8" - 20		AL16/U081/45/	28 1 1/8" - 18		AL28/U119/45/
16 1/2" - 20		AL16/U088/45/	28 1 1/2" - 18		AL28/U138/45/
16 5/8" - 20		AL16/U094/45/	28 1 3/4" - 18		AL28/U144/45/
16 1" - 20		AL16/U100/45/	28 1 7/8" - 18		AL28/U175/45/
16 1 1/8" - 18		AL16/U119/45/	28 2" - 18		AL28/U200/45/
16 1 1/2" - 18		AL16/U131/45/	28 2 1/4" - 18		AL28/U225/45/
21 5/8" - 20		AL21/U075/45/	34 1" - 20		AL34/U100/45/
21 1/2" - 20		AL21/U088/45/	34 1 1/8" - 18		AL34/U119/45/
21 5/8" - 20		AL21/U094/45/	34 1 1/2" - 18		AL34/U144/45/
21 1" - 20		AL21/U100/45/	34 1 3/4" - 18		AL34/U175/45/
21 1 1/8" - 18		AL21/U113/45/	34 2" - 18		AL34/U200/45/
21 1 1/2" - 18		AL21/U119/45/	42 1 1/4" - 18		AL42/U175/45/
21 1 3/8" - 18		AL21/U131/45/	42 2" - 18		AL42/U200/45/
21 1 1/4" - 18		AL21/U138/45/			

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



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.

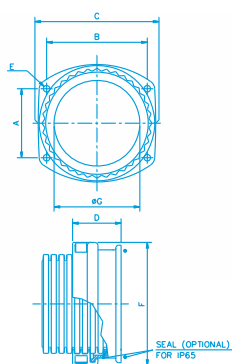
Rubber
Colour Black (BL) only.



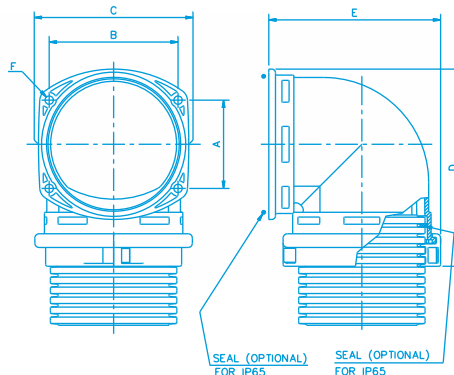
NOMINAL CONDUIT
SIZE (mm)
80
106

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

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

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



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

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



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.

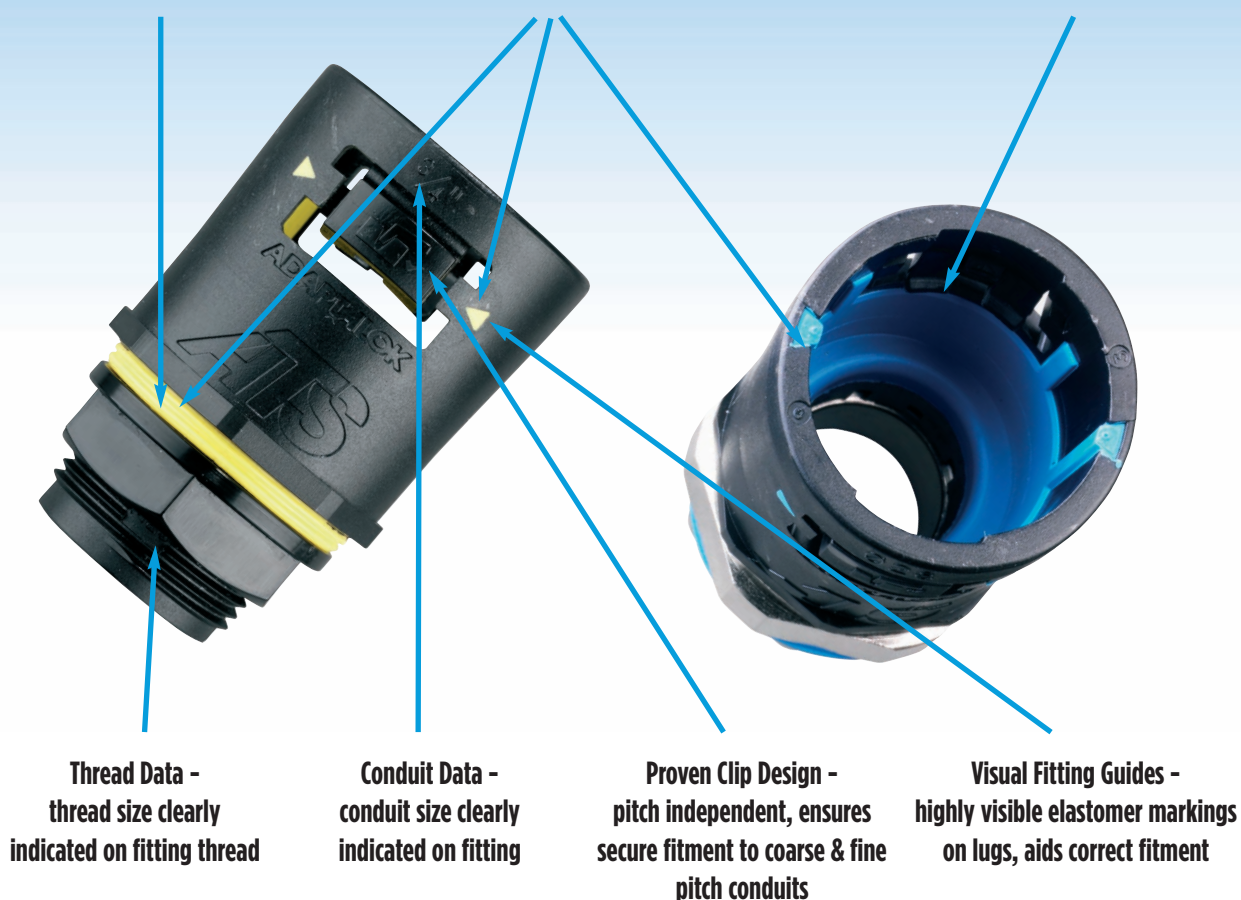
Adaptalok ATS™ uses a sophisticated moulding process to mould an internal conduit seal and a face seal washer. This makes installation times very fast, and extremely reliable, because the seals cannot be left out. The conduit system also benefits from the highest IP rating possible.

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	TYPE A - ADAPTALOK ATS™ NEW
Description	STRAIGHT FITTING - FIXED EXTERNAL THREAD For insertion into knockouts using a locknut. Locknut supplied with METRIC & NPT 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/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	TYPE A - ADAPTALOK ATS™ NEW
Description	STRAIGHT FITTING - FIXED EXTERNAL THREAD For insertion into knockouts using a locknut. Locknut supplied with METRIC & NPT thread
Materials	Polyamide (Nylon) 66/TPE Body Colour Black (BL) & Grey (GR) . Blue (B) Elastomer
Example	

NOMINAL CONDUIT SIZE (mm)	METRIC THREAD	PART NUMBER	PT 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

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 Pending

Approvals in Progress



DIN5510 Approval (Deutsch Bahn)
NF F 16-101/102
Lloyds Register Type Approval
London Underground Engineering Standard 2-01001-002
UL 1696

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



DIN5510 Approval (Deutsch Bahn)
NF F 16-101/102
Lloyds Register Type Approval
London Underground Engineering Standard 2-01001-002
UL 1696

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 & NPT thread

Materials

Polyamide (Nylon) 66/TPE

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

Example



NOMINAL CONDUIT SIZE (mm)

13
16
16
21/22
28
34
42
48
54
54

METRIC THREAD

PART NUMBER

PF THREAD

PART NUMBER

NPT THREAD

PART NUMBER

M16	AT13/M16/C90	3/8	AT13/PF038/C90	3/8	AT13/038/C90
M16	AT16/M16/C90	3/8	AT16/PF038/C90	3/8	AT16/038/C90
M20	AT16/M20/C90	1/2	AT16/PF050/C90	1/2	AT16/050/C90
M20	AT21/M20/C90	1/2	AT21/PF050/C90	1/2	AT21/050/C90
M25	AT28/M25/C90	3/4	AT28/PF075/C90	3/4	AT28/075/C90
M32	AT34/M32/C90	1	AT34/PF100/C90	1	AT34/100/C90
M40	AT42/M40/C90	1 1/4	AT42/PF125/C90	1 1/4	AT42/125/C90
M50	AT48/M50/C90	1 1/2	AT48/PF150/C90	1 1/2	AT48/150/C90
M50	AT54/M50/C90	1 1/2	AT54/PF150/C90	1 1/2	AT54/150/C90
M63	AT54/M63/C90	2	AT54/PF200/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 & NPT 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

IP67

IP68

IP69k

For use with following conduit;

Type PA, PI, CP, PR & PADL

Yes

Yes

Yes (4 bar 30 mins)

Yes

Temperature Range

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

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

Fitting Characteristics

Approvals

Approvals in Progress



DIN5510 Approval (Deutsch Bahn)

NF F 16-101/102

Lloyds Register Type Approval

London Underground Engineering Standard 2-01001-002

UL 1696

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



DIN5510 Approval (Deutsch Bahn)

NF F 16-101/102

Lloyds Register Type Approval

London Underground Engineering Standard 2-01001-002

UL 1696



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 & NPT thread

Materials

Polyamide (Nylon) 66/TPE

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

Example



NOMINAL CONDUIT
SIZE (mm)

13
16
16
21/22
28
34
42
48
54

METRIC THREAD	PART NUMBER	PF THREAD	PART NUMBER	NPT THREAD	PART NUMBER
M16	AT13/M16/45	3/8	AT13/PF038/45	3/8	AT13/038/45
M16	AT16/M16/45	3/8	AT16/PF038/45	3/8	AT16/038/45
M20	AT16/M20/45	1/2	AT16/PF050/45	1/2	AT16/050/45
M20	AT21/M20/45	1/2	AT21/PF050/45	1/2	AT21/050/45
M25	AT28/M25/45	3/4	AT28/PF075/45	3/4	AT28/075/45
M32	AT34/M32/45	1	AT34/PF100/45	1	AT34/100/45
M40	AT42/M40/45	1 1/4	AT42/PF125/45	1 1/4	AT42/125/45
M50	AT48/M50/45	1 1/2	AT48/PF150/45	1 1/2	AT48/150/45
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 & NPT 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

Fitting Characteristics

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



DIN5510 Approval (Deutsch Bahn)

NF F 16-101/102

Lloyds Register Type Approval

London Underground Engineering Standard 2-01001-002

UL 1696

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



DIN5510 Approval (Deutsch Bahn)

NF F 16-101/102

Lloyds Register Type Approval

London Underground Engineering Standard 2-01001-002

UL 1696

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.

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)

13
16
21/22
28
34
42
48
54
54

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.

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

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

Fitting Characteristics



DIN5510 Approval (Deutsch Bahn)

NF F 16-101/102

Lloyds Register Type Approval

London Underground Engineering Standard 2-01001-002

UL 1696

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



DIN5510 Approval (Deutsch Bahn)

NF F 16-101/102

Lloyds Register Type Approval

London Underground Engineering Standard 2-01001-002

UL 1696



PRODUCT CHARACTERISTICS

Type
Description
Materials
Example

TYPE S45 - ADAPTALOK ATS™ NEW

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

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



NOMINAL CONDUIT
SIZE (mm)

13
16
21/22
28
34
42
48
54
54

METRIC THREAD

PART NUMBER

M16 AT13/M16/S45
M16 AT16/M16/S45
M20 AT21/M20/S45
M25 AT28/M25/S45
M32 AT34/M32/S45
M40 AT42/M40/S45
M50 AT48/M50/S45
M50 AT54/M50/S45
M63 AT54/M63/S45

NPT THREAD

PART NUMBER

3/8 AT13/038/S45
3/8 AT16/038/S45
1/2 AT21/050/S45
3/4 AT28/075/S45
1 AT34/100/S45
1 1/4 AT42/125/S45
1 1/2 AT48/150/S45
- -
2 AT54/200/S45

TYPE SFA - ADAPTALOK ATS™ NEW

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

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

NPT THREAD

PART NUMBER

3/8 AT13/038/SFA
3/8 AT16/038/SFA
1/2 AT21/050/SFA
3/4 AT28/075/SFA
1 AT34/100/SFA
1 1/4 AT42/125/SFA
1 1/2 AT48/150/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

For use with all conduits in this catalogue

Yes
Yes
Yes (4 bar 30 mins)
Yes

Temperature Range

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

Fitting Characteristics



DIN5510 Approval (Deutsch Bahn)
NF F 16-101/102
Lloyds Register Type Approval
London Underground Engineering Standard 2-01001-002
UL 1696

Approvals
Approvals
in Progress

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



DIN5510 Approval (Deutsch Bahn)
NF F 16-101/102
Lloyds Register Type Approval
London Underground Engineering Standard 2-01001-002
UL 1696

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.

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)

13
16
21/22
28
34
42
48
54
54

METRIC THREAD

PART NUMBER

M16 AT13/M16/CSF90
M16 AT16/M16/CSF90
M20 AT21/M20/CSF90
M25 AT28/M25/CSF90
M32 AT34/M32/CSF90
M40 AT42/M40/CSF90
M50 AT48/M50/CSF90
M50 AT54/M50/CSF90
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.

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

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

Fitting Characteristics



Approvals

Approvals in Progress

DIN5510 Approval (Deutsch Bahn)

NF F 16-101/102

Lloyds Register Type Approval

London Underground Engineering Standard 2-01001-002

UL 1696

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



DIN5510 Approval (Deutsch Bahn)

NF F 16-101/102

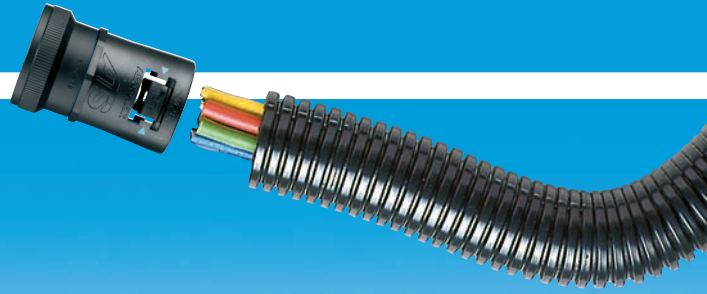
Lloyds Register Type Approval

London Underground Engineering Standard 2-01001-002

UL 1696

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

UNEF CIRCULAR CONNECTOR FITTINGS (MIL C 5015)



PRODUCT CHARACTERISTICS

Type

TYPE SFA - ADAPTALOK ATS™ **NEW**

Description

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

Materials

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

Example



NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNE F THREAD

PART NUMBER

13	5/8" - 24	AT13/U063/SFA/
13	3/4" - 20	AT13/U075/SFA/
13	1" - 20	AT13/U088/SFA/
16	5/8" - 24	AT16/U063/SFA/
16	3/4" - 20	AT16/U075/SFA/
16	1" - 20	AT16/U088/SFA/
16	1 1/8" - 18	AT16/U094/SFA/
16	1 1/2" - 18	AT16/U100/SFA/
16	1 3/4" - 18	AT16/U119/SFA/
16	2" - 18	AT16/U131/SFA/
21/22	1 1/2" - 20	AT21/U075/SFA/
21/22	1 3/4" - 20	AT21/U088/SFA/
21/22	2" - 20	AT21/U094/SFA/
21/22	2 1/4" - 20	AT21/U100/SFA/
21/22	2 1/2" - 18	AT21/U113/SFA/
21/22	2 3/4" - 18	AT21/U119/SFA/
21/22	3" - 18	AT21/U131/SFA/
21/22	3 1/2" - 18	AT21/U138/SFA/

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNE F THREAD

PART NUMBER

21/22	1 1/8" - 18	AT21/U144/SFA/
21/22	1 1/4" - 18	AT21/U175/SFA/
28	1 1/2" - 20	AT28/U088/SFA/
28	1 3/4" - 20	AT28/U094/SFA/
28	2" - 20	AT28/U100/SFA/
28	2 1/8" - 18	AT28/U119/SFA/
28	2 1/4" - 18	AT28/U138/SFA/
28	2 1/2" - 18	AT28/U144/SFA/
28	2 3/4" - 18	AT28/U175/SFA/
28	3" - 18	AT28/U200/SFA/
28	3 1/4" - 18	AT28/U225/SFA/
34	1 3/4" - 20	AT34/U100/SFA/
34	2" - 18	AT34/U119/SFA/
34	2 1/4" - 18	AT34/U144/SFA/
34	2 1/2" - 18	AT34/U175/SFA/
34	3" - 18	AT34/U200/SFA/
42	2 3/4" - 18	AT42/U175/SFA/
42	3" - 18	AT42/U200/SFA/

TYPE CSF90 - ADAPTALOK ATS™ **NEW**

90° 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	5/8" - 24	AT13/U063/CSF90/
13	3/4" - 20	AT13/U075/CSF90/
13	1" - 20	AT13/U088/CSF90/
16	5/8" - 24	AT16/U063/CSF90/
16	3/4" - 20	AT16/U075/CSF90/
16	1" - 20	AT16/U088/CSF90/
16	1 1/8" - 18	AT16/U094/CSF90/
16	1 1/2" - 18	AT16/U100/CSF90/
16	1 3/4" - 18	AT16/U119/CSF90/
16	2" - 18	AT16/U131/CSF90/
16	2 1/4" - 18	AT16/U175/CSF90/
21/22	1 1/2" - 20	AT21/U075/CSF90/
21/22	1 3/4" - 20	AT21/U088/CSF90/
21/22	2" - 20	AT21/U094/CSF90/
21/22	2 1/4" - 20	AT21/U100/CSF90/
21/22	2 1/2" - 18	AT21/U113/CSF90/
21/22	2 3/4" - 18	AT21/U119/CSF90/
21/22	3" - 18	AT21/U131/CSF90/
21/22	3 1/2" - 18	AT21/U138/CSF90/

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNE F THREAD

PART NUMBER

21/22	1 1/8" - 18	AT21/U144/CSF90/
21/22	1 1/4" - 18	AT21/U175/CSF90/
28	1 1/2" - 20	AT28/U088/CSF90/
28	1 3/4" - 20	AT28/U094/CSF90/
28	2" - 20	AT28/U100/CSF90/
28	2 1/8" - 18	AT28/U119/CSF90/
28	2 1/4" - 18	AT28/U138/CSF90/
28	2 1/2" - 18	AT28/U144/CSF90/
28	2 3/4" - 18	AT28/U175/CSF90/
28	3" - 18	AT28/U200/CSF90/
28	3 1/4" - 18	AT28/U225/CSF90/
34	1 3/4" - 20	AT34/U100/CSF90/
34	2" - 18	AT34/U119/CSF90/
34	2 1/4" - 18	AT34/U144/CSF90/
34	2 1/2" - 18	AT34/U175/CSF90/
34	3" - 18	AT34/U200/CSF90/
42	2 3/4" - 18	AT42/U175/CSF90/
42	3" - 18	AT42/U200/CSF90/

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

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

Fitting Characteristics



Approvals

Approvals
in Progress

DIN5510 Approval (Deutsch Bahn)
NF F 16-101/102
Lloyds Register Type Approval
London Underground Engineering Standard 2-01001-002
UL 1696

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



DIN5510 Approval (Deutsch Bahn)
NF F 16-101/102
Lloyds Register Type Approval
London Underground Engineering Standard 2-01001-002
UL 1696

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

UNEF CIRCULAR CONNECTOR FITTINGS (MIL C 5015)

PRODUCT CHARACTERISTICS

Type

TYPE SF45 - ADAPTALOK ATS™ **NEW**

Description

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

Materials

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

Example



NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNE F THREAD

PART NUMBER

13
13
13
16
16
16
16
16
16
16
16
16
16
21/22
21/22
21/22
21/22
21/22
21/22
21/22
21/22

1/8" - 24
3/8" - 20
1/2" - 20
1/8" - 24
3/8" - 20
1/2" - 20
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1/2" - 20
1/2" - 20
1/2" - 20

AT13/U063/SF45/
AT13/U075/SF45/
AT13/U088/SF45/
AT16/U063/SF45/
AT16/U075/SF45/
AT16/U081/SF45/
AT16/U088/SF45/
AT16/U094/SF45/
AT16/U100/SF45/
AT16/U119/SF45/
AT16/U131/SF45/
AT21/U075/SF45/
AT21/U088/SF45/
AT21/U094/SF45/
AT21/U100/SF45/
AT21/U113/SF45/
AT21/U119/SF45/
AT21/U131/SF45/
AT21/U138/SF45/

NOMINAL CONDUIT
SIZE (mm)

CONNECTOR
UNE F THREAD

PART NUMBER

21/22
21/22
28
28
28
28
28
28
28
28
28
28
28
34
34
34
34
34
34
34
34
42
42

1/8" - 18
1/8" - 18
1/8" - 20
1/8" - 20
1/8" - 18
1/8" - 18
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1/8" - 18
1/8" - 18
1/8" - 18

AT21/U144/SF45/
AT21/U175/SF45/
AT28/U088/SF45/
AT28/U094/SF45/
AT28/U100/SF45/
AT28/U119/SF45/
AT28/U138/SF45/
AT28/U144/SF45/
AT28/U175/SF45/
AT28/U200/SF45/
AT28/U225/SF45/
AT34/U100/SF45/
AT34/U119/SF45/
AT34/U144/SF45/
AT34/U175/SF45/
AT34/U200/SF45/
AT42/U175/SF45/
AT42/U200/SF45/

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

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



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

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



DIN5510 Approval (Deutsch Bahn)
NF F 16-101/102
Lloyds Register Type Approval
London Underground Engineering Standard 2-01001-002
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Add body & elastomer colour to part no. /BLY, /BLB, /GRY, or /GRB

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



DIN5510 Approval (Deutsch Bahn)
NF F 16-101/102
Lloyds Register Type Approval
London Underground Engineering Standard 2-01001-002
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IP Rating with
appropriate fitting

IP66
IP67
IP68
IP69k

Temperature Range

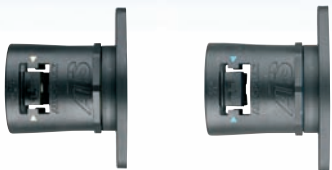
Fitting Characteristics

Approvals

Approvals
in Progress



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/A	AT13/FL/C90	AT13/FL/45
16	AT16/FL/A	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/C90	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	 	 	 
Approvals in Progress	DIN5510 Approval (Deutsche Bahn) NF F 16-101/102 Lloyds Register Type Approval London Underground Engineering Standard 2-01001-002 UL 1696	DIN5510 Approval (Deutsche Bahn) NF F 16-101/102 Lloyds Register Type Approval London Underground Engineering Standard 2-01001-002 UL 1696	DIN5510 Approval (Deutsche Bahn) NF F 16-101/102 Lloyds Register Type Approval London Underground Engineering Standard 2-01001-002 UL 1696