

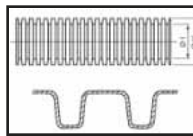


Type AC6_ - ____ : PA6 Conduits - Extra Flexible



Type AC6L and AC6S conduits are corrugated polyamide conduits specially designed for machine tool applications that require protection for cables. Type AC6L is a thin wall tubing which is very flexible and has a tight bend radius. Type AC6S is a standard wall conduit, which is UL Recognized.

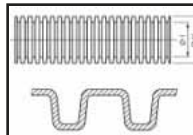
Conduit: Type AC6L - Thin Wall



Size NW	Item ID	Inside Diameter	Outside Diameter	Bend Radius		Std. Pkg. Meters
				Static	Dynamic	
12	AC6L-12B	12.5 (0.492)	15.7 (0.618)	26 (1.024)	78 (3.071)	50
17	AC6L-17B	17.0 (0.669)	21.2 (0.835)	40 (1.575)	120 (4.724)	50
23	AC6L-23B	23.5 (0.925)	28.4 (1.118)	50 (1.969)	150 (5.906)	50
29	AC6L-29B	29.4 (1.157)	34.5 (1.358)	58 (2.283)	174 (6.850)	25

Dimensions in mm (inches)

Conduit: Type AC6S - Standard Wall



Size NW	Item ID	Inside Diameter	Outside Diameter	Bend Radius		Std. Pkg. Meters
				Static	Dynamic	
7.5	AC6S-07B	6.7 (0.264)	10.0 (0.394)	13 (0.512)	39 (1.535)	50
10	AC6S-10B	9.9 (0.390)	13.0 (0.512)	20 (0.787)	60 (2.362)	50
12	AC6S-12B	12.2 (0.480)	15.7 (0.618)	30 (1.181)	90 (3.543)	50
17	AC6S-17B	16.6 (0.654)	21.2 (0.835)	45 (1.772)	135 (5.315)	50
23	AC6S-23B	23.2 (0.913)	28.3 (1.114)	55 (2.165)	165 (6.496)	50
29	AC6S-29B	29.0 (1.142)	34.5 (1.358)	65 (2.559)	195 (7.677)	25
36	AC6S-36B	36.0 (1.417)	42.4 (1.669)	90 (3.543)	270 (10.630)	25
48	AC6S-48B	47.7 (1.878)	54.0 (2.126)	100 (3.937)	300 (11.811)	25

Dimensions in mm (inches)



ANA-QUICK Type AC6S is UL Recognized. This allows usage in machine building where this is required.

SPECIFICATIONS:

Construction:

Corrugated conduit from Modified Polyamide (PA6), Halogen Free.

Flame Properties:

AC6L: Self Extinguishing

AC6S: Class HB, UL-94, flame retarding

Resistant:

Alcohol, greases, fuels, mineral spirits, weak bases and weak acids.

Temperature Range:

-40°C to +120°C (intermittent to 150°C)

Colour: Black

Approval:

AC6S - UL Recognized

APPLICATIONS:

- Machine building, switch cabinets, movable machinery
- Rail vehicles, commercial vehicles, construction machinery
- AC6S: For high mechanical strength

Fittings for these conduits found on Page 10-11

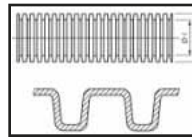


Type AC12S-____ : PA 12 Conduits - Extreme Flexible



Type AC12 conduit is a corrugated polyamide conduit made from PA12 Nylon for superior flexing qualities. The standard wall conduit has good mechanical strength while still having a tight bend radius and being able to withstand continuous flex applications.

Conduit: Type AC12S - Standard Wall



Size NW	Item ID	Inside Diameter	Outside Diameter	Bend Radius		Std. Pkg. Meters
				Static	Dynamic	
12	AC12S-12B	12.2 (0.480)	15.7 (0.618)	22 (0.866)	66 (2.598)	50
17	AC12S-17B	16.6 (0.654)	21.2 (0.835)	27 (1.063)	81 (3.189)	50
23	AC12S-23B	23.2 (0.913)	28.3 (1.114)	45 (1.772)	135 (5.315)	50
29	AC12S-29B	29.0 (1.142)	34.5 (1.358)	50 (1.969)	150 (5.906)	25
36	AC12S-36B	36.0 (1.417)	42.4 (1.669)	80 (3.150)	240 (9.449)	25
48	AC12S-48B	47.7 (1.878)	54.0 (2.126)	100 (3.937)	300 (11.811)	25

Dimensions in mm (inches)

SPECIFICATIONS:

Construction:

Corrugated conduit from Modified Polyamide (PA12), Halogen Free.

Flame Properties:

Class HB, UL-94, flame retarding

Resistant:

Alcohol, greases, fuels, mineral spirits, weak bases and weak acids.

Temperature Range:

-40°C to +100°C (intermittent to 130°C)

Colour: Black

APPLICATIONS:

- Machine building
- Robotics
- Applications requiring continuous flexing



Application Notes:

When installing any ANA-QUICK Conduits, please be sure to conform to the bend radius specified. Both Static and Dynamic bend radii are indicated for conduits:

Static:

Application does not move after installed.

Dynamic:


Application will flex once installed, as in robotic or cat track applications.

Fittings for these conduits found on Page 10-11

ANA-QUICK Conduit Selection Guide

Type:	Material	Wall	Size Range	Flexibility	Temperature	IP Rating	Crush	UL Rec.
AC6L	PA6 Nylon	Thin	12 - 29	Very Good	-40°C--+120°C	IP68	Good	-
AC6S	PA6 Nylon	Standard	7.5 - 48	Good	-40°C--+120°C	IP68	Very Good	
AC12S	PA12 Nylon	Standard	12 - 48	Excellent	-40°C--+100°C	IP68	Very Good	-

ANA-QUICK Conduit System is CE approved and based on the EN 50086 Classifications. The table below summarizes the classification of the 3 types of ANA-QUICK Conduit.

ANA-QUICK	AC6L	AC6S 	AC12S
Compression resistance	Very Light (125N)	Light (320N)	Light (320N)
Impact Resistance	Very Light (0.5J)	Light (1J)	Light (1J)
Min. Temperature	-40° C	-40° C	-40° C
Max. Temperature	+120° C	+120° C	+100° C
Bending Resistance	Flexible	Flexible	Flexible
IP Rating	IP 68	IP 68	IP 68
Corrosion Resistance	High	High	High
Tensile Strength	Very Light (100N)	Light (250N)	Light (250N)
Flame Resistance	Self Extinguishing	Self Extinguishing	Self Extinguishing

The ANA-QUICK SYSTEM is based on the European standard of conduit sizes, which is referred to as NW sizes. The chart shown here gives you a quick reference from the European NW standard to the Trade Sizes that we use in Canada.



Trade Size	ID Range	Equivalent ANA-QUICK NW Size	
1/4"	.245-.260"	NW 7.5	.264"
5/16"	.390-.405"	NW 10	.390"
3/8"	.484-.504"	NW 12	.480"
1/2"	.622-.642"	NW 17	.654"
3/4"	.820-.840"	NW 23	.913"
1"	1.041-1.066"	NW 29	1.142"
1-1/4"	1.380-1.410"	NW 36	1.417"
1-1/2"	1.575-1.600"	NW 36	1.417"
2"	2.020-2.045"	NW 48	1.878"