

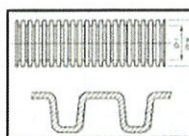


Type AC12S-____: PA 12 Conduits - Extreme Flexible



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	47.5 (1.870)	54.5 (2.146)	100 (3.937)	300 (11.811)	25

Dimensions in mm (inches)

THIS DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS OR OF MEETING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS OF DIMENSIONS OR DETAILS

NO COMMENT

SEE COMMENTS

AMENDMENTS

REVISIONS

Submission No. _____

Project No. 078107

By GS

Date Aug 20/10

DILLON CONDUITING LIMITED



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.

CE EN 50086 Classification Table:	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"