

STRAND-GUARD® FLEX COR

FLEXIBLE CORRUGATED AERIAL
FIGURE-8 CONDUIT

Specialty Conduit

AERIAL CONDUIT

July 2006



Features & Benefits

- *Flexible corrugated inner liner allows for quick field installation*
- *Conduit pathway allows slack storage for quick restoration, improved customer relations*
- *High strength web with 6.6M or 10M strand*
- *Four Sizes 1", 1-1/4", 1-1/2" and 2" to meet your specific fiber cable diameter*
- *Long continuous lengths, fewer joints and faster installation*
- *Uses standard industry pole mounting hardware, no special products to inventory or special training needed*
- *Is available with Bull-Line pull tape factory installed, lowers installation costs*

GENERAL INFORMATION

Minimize your aerial installation and maintenance costs with FlexCor. Strand-Guard® Figure-8 is ideal for use in limited access areas such as water crossings, interstate highway crossings or in heavily wooded areas where additional cable protection is necessary. The conduit design permits easy, straight payoff for direct placement onto the pole line for future access to the cable. Standard pole mounting hardware and ARNCO's Split-Lock coupler are recommended for quick, airtight installation. No special expansion couplings are necessary, as the corrugated inner liner relieves the mechanical strain caused by extreme temperature changes.

IDEAL FOR AIR-ASSISTED FIBER CABLE INSTALLATIONS

FlexCor and Arnco's specially designed couplers assure an airtight conduit system optimizing potential savings with the use of the Maxx-Trak air-assisted cable placing system. ARNCO's unique dart method reduces turbulence and permits the installer to take advantage of the lower coefficient of friction offered by less contact between the cable and FlexCor's corrugated inner wall.

DESIGNED TO RESIST THE ELEMENTS

Strand-Guard® was designed to withstand the toughest of environmental conditions. The unique corrugated inner wall combined with a smooth outer wall and high strength web, dissipates the expansion and contraction forces resulting from temperature fluctuations. The specially formulated sunlight resistant outer jacket provides UV protection and enough rigidity to protect your fiber for life. The high strength steel strand has a moisture resistant flooding compound.

ASK YOUR SALES REPRESENTATIVE ABOUT OUR FLEXCALC™ PROGRAM

ARNCO FlexCalc software is available for use in estimating key sag values. The program will walk you through a menu of choices culminating in a table of sag and tension values for use in guiding the installer during installation.

*U.S. Pat. 5,678,609, other U.S. and foreign patents pending

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ARNCO®

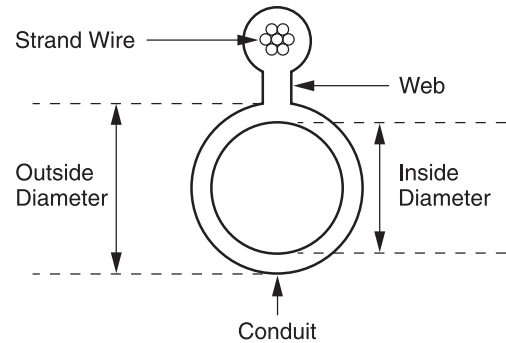
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FIGURE-8 CONDUIT

TECHNICAL SPECIFICATIONS

MATERIALS

Resin	Specially formulated, UV stabilized, black polyethylene.
UV Protection	Minimum 2% carbon black (avg. particle size 20B) with antioxidant.
Strand	High strength zinc galvanized steel, with flooding/adhesive compound.



DIMENSIONS

Description	Nominal I.D.	Composite O.D.	Composite Wall	Weight/Ft.
1.00" I.D. with 6.6M strand	1.00"	1.44"	.110"	.362 lbs.
1.00" I.D. with 10M strand	1.00"	1.44"	.110"	.511 lbs.
1.25" I.D. with 6.6M strand	1.25"	1.66"	.110"	.429 lbs.
1.25" I.D. with 10M strand	1.25"	1.66"	.110"	.578 lbs.
1.50" I.D. with 6.6M strand	1.50"	1.90"	.110"	.509 lbs.
1.50" I.D. with 10M strand	1.50"	1.90"	.110"	.658 lbs.
2.00" I.D. with 6.6M strand	2.00"	2.38"	.110"	.624 lbs.

Dimensions	Bend Radius		Pull Strength (1) Max (@ 3.5% elongation)
	Unsupported	Supported	
1.00"	14"	13"	415 lbs.
1.25"	16"	15"	500 lbs.
1.50"	20"	18"	585 lbs.
2.00"	24"	22"	760 lbs.

(1) Tensile yield is for component only and not strand. Installation tension should be placed on strand.



SPLIT-LOCK™ COUPLERS

Catalog No.	Description
IA 552 100 FF	1" I.D. SDR
IA 552 125 SS	1-1/4" I.D. SDR
IA 552 150 FF	1-1/2" I.D. SDR
IA 552 P 200 FF	2" I.D. SDR

Refer to the Strand-Guard FlexCor installation guide for detailed information on placement and related components.

NOTE: ARNCO Corporation has made every attempt to assure that the information contained in this bulletin is accurate. The information supplied may change without notice. This information is intended to inform the reader of the typical characteristics of the pipe and accessories that are described and should not be considered complete with regard to design considerations. Contact an ARNCO representative regarding any questions about this document and to determine if the information contained within is current.