

Type NWC

Nuclear Wiring Conduit
Liquid-Tight Flexible Metal Conduit (LFMC)



Construction

- Constructed of continuously interlocked hot dipped zinc galvanized steel core for exceptional crush and corrosion resistance.
- Durable, abrasion-resistant, smooth, chlorinated polyethylene jacket that resists heat, oil and chemical breakdown.

Installation

- Conduit used with standard liquid-tight fitting for easy installation. IP 66/67 Rated when installed with approved fittings.
- Suitable for use within nuclear containment areas.
- Flexible metal core meets "Construction" requirements of UL Std. 360 sizes 3/8" through 4".
- Radiation resistant jacket meets IEEE 323-1974 and IEEE 383-1974 guidelines.
- Rated for temperature range of -40°F to + 192°F (-40°C to +89°C).
- Manufactured in a full range of sizes from 3/8" through 4".



Square-Locked Design with integral bonding wire 3/8" through 1-1/4"



Interlocked Design 1-1/2" through 4" with no bonding wire

Listing

NUCLEAR PROCURMENT ISSUES COMMITTEE (NUPIC)
NUPIC number 2651

www.nupic.com

www.anametelectrical.com

See pages 23-28 for fittings



Type NWC

Black chlorinated polyethylene jacket with bonding wire through 1-1/4"



Product Specifications

Ordering Information

Electrical Trade Size		Inside Diameter		Outside Diameter		Approx Inside Bend Radius	Approx Weight lbs.	Standard Carton	
Inches	mm	Inches		Inches				PER 100 FT.	Length Feet
		MIN.	MAX.	MIN.	MAX.	Inches			
3/8	12	.484	.504	.690	.710	8.0	25	100	433999-0143
1/2	16	.622	.642	.820	.840	9.0	29	100	434009-0143
3/4	21	.820	.840	1.030	1.050	13	44	100	434019-0143
1	27	1.041	1.066	1.290	1.315	15	73	100	434029-0143
1-1/4	35	1.380	1.410	1.630	1.660	18	100	50	434039-0143
1-1/2	41	1.575	1.600	1.865	1.900	20	112	50	434049-0143
2	53	2.020	2.045	2.340	2.375	22	148	50	434059-0143
2-1/2	63	2.480	2.505	2.840	2.875	24	182	25	434069-0143
3	78	3.070	3.100	3.460	3.500	30	255	25	434079-0143
4	103	4.000	4.040	4.460	4.500	36	362	25	434089-0143

TYPICAL SPECIFICATION:

Conduit shall be Anaconda SEALTITE® Type NWC. Conduit shall provide a flexible liquid-tight raceway for wiring and shall be constructed of continuously interlocked hot dipped zinc galvanized steel core with an integral bonding wire in sizes 3/8" through 1-1/4". Jacket shall be black in color and be radiation-resistant. The outside of the jacket shall have a smooth appearance, Jacket material shall meet guidelines defined in IEEE 323-1974 and IEEE 383-1974.