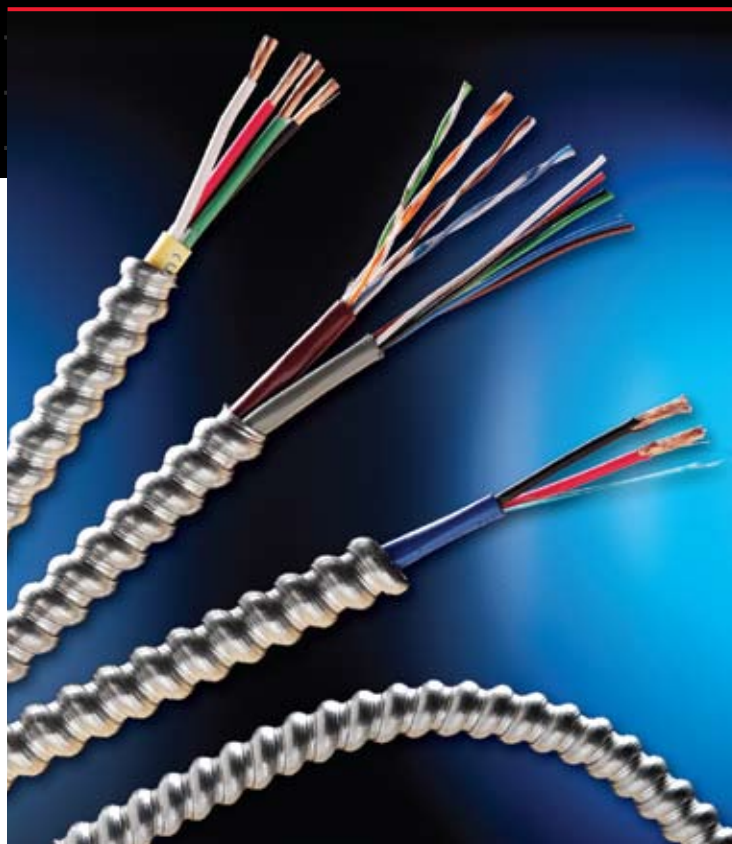**CAROL BRAND** ®

ELECTRONICS WIRE & CABLE

Armored Electronics Products

General Cable now offers the capability to armor virtually any Carol® Brand Electronics cable. This rugged exterior and protection allows for the installation of almost any Electronics cable in markets with the toughest and most rigorous building code requirements. Cables placed in armor are not only acceptable for use in Riser applications, but according to NEC Article 300.22(B), these cables are acceptable in Plenum applications as well.

The process to convert a standard Carol Brand Electronics cable to an armored cable is simple and is explained on the back of this bulletin. All you really need to know is: 1) which cable you want to armor, 2) whether you want steel or aluminum interlock armor, and 3) what put-up lengths you would like to receive product on.

General Cable continues to expand its Carol Brand Electronics product offering to allow our customers to participate in more diversified markets. You can always *Demand Better...Expect More*™ with General Cable Carol Brand Electronics cables. We manufacture over 1,300 standard electronic cables that we ship direct from stock, and we have the technical staff and design expertise to meet any customer cable requirement.

Special Application Cable

Hook-Up Wire

Plenum Cable

Coaxial Cable

Microphone Cable

Computer Cable

General Purpose Cable

Multi-Conductor Communication & Control Cable

Multi-Paired Communication & Control Cable

Fire Alarm Cable

Sound & Security Cable

General Cable

HOW TO ARMOR YOUR ELECTRONICS

Step 1 - Find a Carol Brand part # in the catalog that you want to armor.

Carol® Brand Communication & Control Cable, Multi-Conductor, Unshielded

CATALOG NUMBER	NO. OF COND.	AWG SIZE	COND. STRAND.	NOM. INSULATION THICKNESS		NOMINAL JACKET THICKNESS		NOMINAL O.D.		NOM. C-C CAP.* pF/FT
				INCHES	mm	INCHES	mm	INCHES	mm	
C2409A	2	14	19/.0147	0.030	0.81	0.032	0.81	0.260	6.81	30.5

Step 2 - Build your Carol Brand Armored part

❶ Pick the root part # you want to armor.
❷ Pick the put-up length that you want.
❸ Pick the color of jacket for the wire.
❹ Pick the type of armor you want.

❶ **C2409A** — Root #

❷ **41** — Put-Up

❸ **02** — Cable Jacket Color

❹ **A** — Armor Indicator

Armored Part # looks like: C2409A.41.02A

Description is now: 14 AWG / 2 Conductor, Unshielded, White Jacket Communication Cable in Aluminum Armor on a 1000' Reel.

Armor Codes & Charts

Armor Sizing Chart

CABLE DIAMETER	ARMOR STRIP WIDTH	CLEARANCE (IN)	ARMOR O.D. (IN)	ARMOR WEIGHT (LBS/mFT)
0.190	3/8"	0.060	0.350	29.000
0.250	3/8"	0.100	0.450	38.600
0.300	3/8"	0.100	0.500	43.400
0.350	3/8"	0.100	0.550	48.300
0.400	3/8"	0.100	0.600	53.100
0.450	3/8"	0.100	0.650	57.900
0.500	3/8"	0.100	0.700	62.700
0.550	3/8"	0.100	0.750	67.600
0.600	3/8"	0.100	0.800	72.400
0.650	3/8"	0.100	0.850	77.200
0.700	1/2"	0.100	0.900	109.400
0.750	1/2"	0.100	0.950	115.800
0.800	1/2"	0.100	1.000	122.300

Wire Jacket Color

CODE	COLOR
01	BLACK
02	WHITE
03	RED
04	ORANGE
05	YELLOW
06	GREEN
07	DARK BLUE
08	BROWN
09	MAROON
10	GRAY
11	ANTIQUE GOLD
12	IVORY
13	PINK

NOTE: Additional colors available

Armor Codes

TYPE	CODE
Aluminum	A
Steel	S

Put-Up Codes

SIZE	CODE
250'	35
500'	38
1000'	41

NOTE 1: Consult factory for additional put-up lengths

NOTE 2: Product provided on reels

Products in the Electronics Catalog that can be armored:

Section 2 - Communication & Control Cable, Multi-Conductor
Section 3 - Communication & Control Cable, Multi-Paired
Section 4 - Computer Cable
Section 5 - Coaxial Cable

Section 6 - Fire Alarm / Life Safety Cable
Section 7 - Sound, Alarm, & Security
Section 8 - Plenum Cable
Section 9 - Audio / Home Entertainment Cable

General Cable