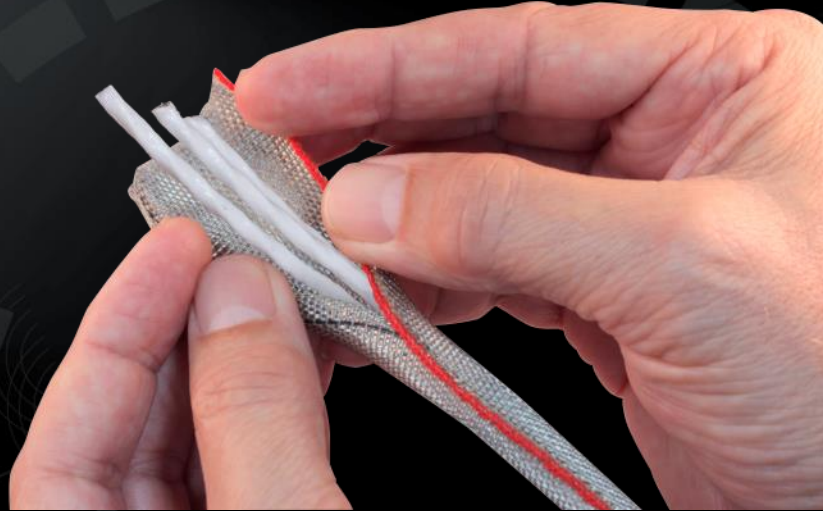


The widest range of
mission-critical interconnect
technologies in the world



Braided Wire Protection

EMI/RFI Shielding • Mechanical Wire Protection • Grounding

Braided Wire Protection Technologies



For EMI/RFI shielding and mechanical wire protection



ARMORLITE

AmberStrand®

EMI/RFI Shielding
INDUSTRY STANDARD • METALLIC

EMI/RFI Tubular
Expandable Shielding



Non-Metallic Shielding
INDUSTRY STANDARD • HIGH-TEMPERATURE

Non-Metallic
Expandable Shielding



MasterWrap™

MasterWrap™ and Other
Shielding Solutions



SWING ARM
COMPOSITE THREE-IN-ONE BACKSHELL

Band-Master ATS®

Shield Termination
Backshells and Tools

Braid Selection Guide: Metallic



Principal Selection Criteria	ARMORLITE Weight Reduction with Optimized Strength and Temperature Tolerance			AmberStrand® Weight Reduction		General-Duty				High Temperature plus Corrosion Resistance
Braid Part Number and Material Construction	 103-051 Microfilament ArmorLite™ 100% SS Nickel Plated	 103-052 Microfilament ArmorLite™ 75% SS/25% NiCu	 103-071 Microfilament ArmorLite™ 50% SS/50% NiCu	 103-026 Microfilament AmberStrand® 100% Nickel Plated	 103-027 Microfilament AmberStrand® 75% / 25% NiCu	 100-001 Soft Drawn Tin Plated Copper	 100-002 Soft Drawn Silver Plated Copper	 100-003 Soft Drawn Nickel Plated Copper	 100-005 Soft Drawn Tin Plated Copper-Clad Steel	 100-004 Soft Drawn Stainless Steel
RoHS-Compliance										
EMI Frequency Effectiveness Range	10 KHz to 1 GHz+	10 KHz to 1 GHz+	10 KHz to 1 GHz+	10 KHz to 1 GHz+	10 KHz to 1 GHz+	10 KHz to 1 GHz+	10 KHz to 1 GHz+	10 KHz to 1 GHz+	Good (H Field) Poor (E Field)	Good (H Field) Poor (E Field)
Temperature Range	+260°C	+200°C	+200°C	+220°C	+200°C	+150°	+200°	+200°	+175°	+260°
Pull Strength*	150 Lbs. minimum	125 Lbs. minimum	125 Lbs. minimum	150 Lbs. minimum	125 Lbs. minimum	125 Lbs.	125 Lbs.	125 Lbs.	175 Lbs.	225 Lbs.
Corrosion Resistance Rating	500 Hours Salt Spray	500 Hours Salt Spray	500 Hours Salt Spray	500 Hours Salt Spray	500 Hours Salt Spray	48 Hours Salt Spray	48 Hours Salt Spray	500 Hours Salt Spray	96 Hours Salt Spray	1000 Hours Salt Spray
Abrasion Resistance	Good	Good	Good	Good	Good	Good	Fair	Good	Good	Very Good
Material Specification	ASTM A580	ASTM A580/ ASTM B355	ASTM A580/ ASTM B355	ZYLON AS	ZYLON AS ASTM B355	ASTM B33	ASTM B298	ASTM B355	ASTM B520	QQ-W-423/ ASTM A580

ARMORLITE

Microfilament EMI/RFI Shielding

Average 70+% lighter than standard metal EMI/RFI braid

- Expandable, flexible, high-strength, lightweight, conductive, microfilament material
- Provides abrasion resistance and EMI shielding at a fraction of the weight of standard metallic braid
- Maintains metallic core conductivity in event of plating damage during assembly or maintenance



ARMORLITE

Microfilament EMI/RFI Shielding

Performance advantages

- Shields from 80dB to 40dB in 100Khz @ 1Ghz
- Excellent optical braid coverage – min. 85-90%
- Excellent tensile strength @ -80°C to +200°C
- High flexure strength / flexibility
- Available with nickel or silver plating
- Meets limits of 1.0% max outgas test IAW ASTM-595-90 and 0.10% max. CVCM
- Meets lightning strike ANSVEIA-364-75 specification at 3Kva, 6Kva & 10Kva thru 25Kva wave form 5B
- Excellent abrasion and FAR burn resistance



AmberStrand[®] Composite EMI/RFI Braid

Nickel-plated microfilament composite shielding offers lightest weight solution to electromagnetic compatibility

- Electrically conductive plated composite
- Superior high-frequency shielding in high temperature applications
- Comparable shielding performance to 36 AWG plated tubular copper braid
- Lightweight, corrosion-free
- Weight savings up to 88% per foot compared to standard nickel-copper braid



Tin-Plated Copper EMI/RFI Braided Shielding

100-001: general duty “workhorse” wire protection

- Soft-drawn tin-plated copper braid
- EMI frequency effective from 10KHz to 1 GHz
- 150°C temperature tolerant
- 125 lbs. pull strength (.500 dia. braid)
- 48 hours salt spray corrosion resistant
- Good abrasion resistance



Silver/Copper EMI/RFI Braided Shielding

100-002: general duty with high temperature tolerance

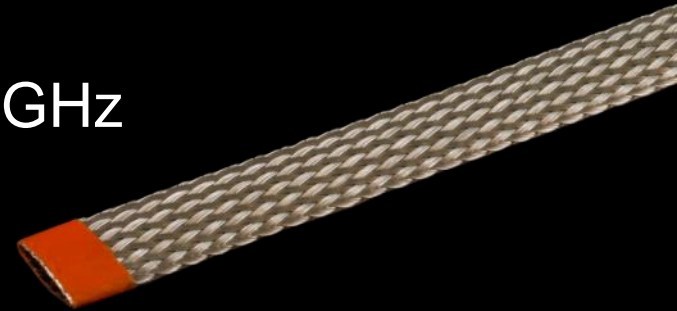
- Soft-drawn silver-plated copper braid
- EMI frequency effective from 10KHz to 1 GHz
- 200°C temperature tolerant
- 125 lbs. pull strength (.500 dia. braid)
- Good corrosion resistance



Nickel/Copper EMI/RFI Braided Shielding

100-003: general duty, highly conductive, temperature tolerant

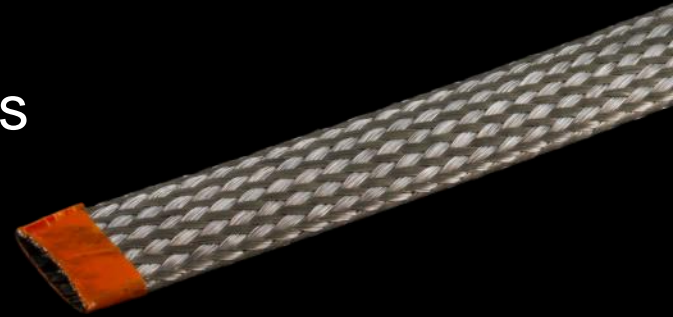
- Soft-drawn nickel-plated copper braid
- EMI frequency effective from 10KHz to 1 GHz
- 200°C temperature tolerant
- 125 lbs. pull strength (.500 dia. braid)
- 500 hours salt spray corrosion resistant



Stainless Steel EMI/RFI Braided Shielding

100-004: corrosion-resistant, high-temperature-tolerant alternative to plated copper braid

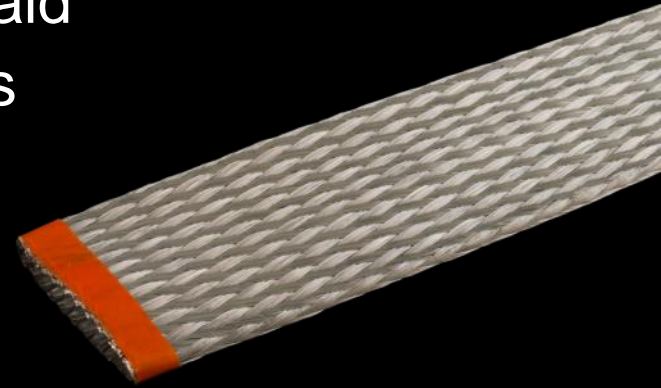
- Soft-drawn stainless steel braid
- Good H Field EMI frequency effectiveness
- 260°C temperature tolerant
- 225 lbs. pull strength (.500 dia. braid)
- 1000 hours salt spray corrosion resistant
- Abrasion resistant



Tin-Plated Copper-Clad Steel EMI/RFI Shielding

100-005: versatile general-duty braid

- Soft-drawn tin-plated copper-clad steel braid
- Good H Field EMI frequency effectiveness
- 175°C temperature tolerant
- 175 lbs. pull strength (.500 dia. braid)
- 96 hours salt spray corrosion resistant
- Good abrasion resistance



Braid Selection Guide: Non-Metallic



Principal Selection Criteria	General Duty / Abrasion Resistance					Economy		Temperature Tolerance		Fire Resistance	
Braid Part Number and Material Construction	 102-060 Monofilament FEP	 102-001, 102-002 Monofilament PET Type FR	 102-020 thru -023 Monofilament Halar*	 103-013, 103-080 Yarn, Nomex*	 102-080 Monofilament Ryton Type R-7	 102-073 Yarn Dacron*	 102-072 Yarn Nylon	 102-051 Monofilament PEEK	 102-040 thru -043, 103-062, 103-106 Yarn Bonded and Unbonded, Nomex*	 100-022 Yarn PTFE-Glass	 102-071 Yarn, Kevlar*
Halogen-Free	NO		NO							NO	
Temperature Range	-55°C to +200°C	-55°C to +125°C	-65°C to +150°C	-55°C to +200°C	-65°C to +180°C	-62°C to +125°C	-20° to +170°	-65°C to +260°C	-60°C to +240°C	-204°C to +482°C	-73°C to +160°C
Tensile Strength (PSI) Yield	3300	50,000	7000	90,000	19,000	10,000	12,400	13,000	90,000	450,000	400,000
Elongation Percentage	50%	20%	15%	25%	40%	12%	90%	38%	25%	5%	3.6%
Chemical Resistance	Excellent	Good	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent (Unbonded) Outstanding (Bonded)	Excellent	Excellent
Abrasion Resistance	Good	Good	Excellent	Good	Excellent	Fair	Excellent	Excellent	Good (Unbonded) Excellent (Bonded)	Excellent	Good
Weight / Duty (specific gravity)	Heavy (2.17)	Medium (1.38)	Medium (1.68)	Medium (1.58)	Light (1.25)	Medium (1.38)	Light (1.14)	Light (1.3)	Medium (1.58)	Heavy (2.5)	Medium (1.44)
Flammability	Very Low	Flammable Self-Extinguishing	Very Low	Will Not Melt	Very Low	Flammable	Flammable	Very Low	Will Not Melt, Self-Extinguishing	Will Not Burn	Will Not Melt

Nomex: the Glenair Go-To Non-Metallic Braid

Excellent performance across all standards

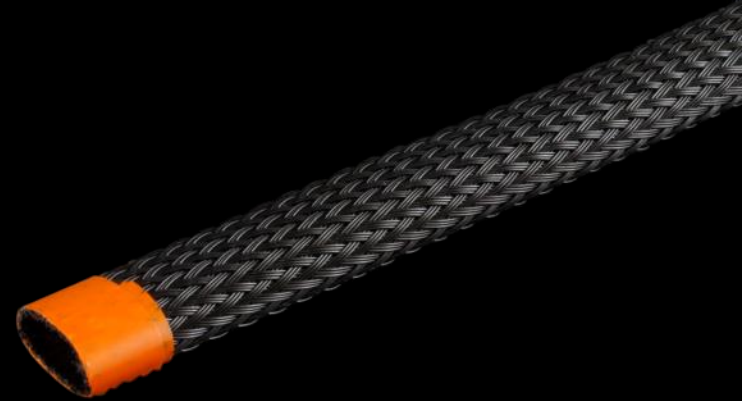
- -55° to +200°C temperature range
- 90,000 PSI yield tensile strength
- 25% elongation
- Excellent chemical resistance
- Good abrasion resistance
- Will not melt
- Broad range of colors, lanyard/tracer versions available
- Available bonded, unbonded, and high-temp tolerant versions



PEEK Tubular Expandable Wire Protection Braid

102-051: high-temperature and crush resistance, flexible, and halogen-free

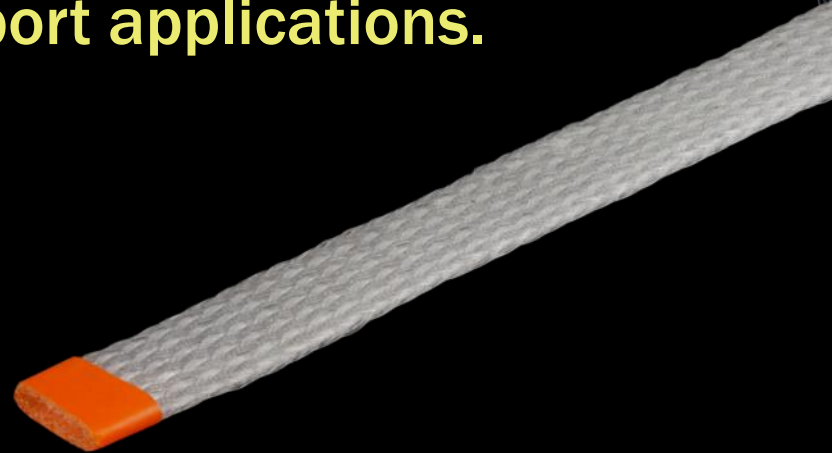
- Monofilament PEEK tubular braid
- -65° to +260°C temperature range
- 13,000 PSI yield tensile strength
- 38% elongation
- Excellent chemical resistance
- Excellent abrasion resistance



FEP Tubular Expandable Wire Protection Braid

102-060: high lubricity and abrasion resistance. Well-suited for military and commercial transport applications.

- Monofilament FEP tubular braid
- -55° to +200°C temperature range
- 3,300 PSI yield tensile strength
- 50% elongation
- Excellent chemical resistance
- Good abrasion resistance
- Very low flammability



Tubular Expandable Wire Protection Braid, Kevlar®

102-071: fire resistant, abrasion-resistant yarn construction—our strongest non-metallic braid

- Yarn, duPont™ Kevlar® tubular braid
- -73° to +160°C temperature range
- 400,000 PSI yield tensile strength
- 3.6% elongation
- Excellent chemical resistance
- Good abrasion resistance
- Fire-resistant, will not melt



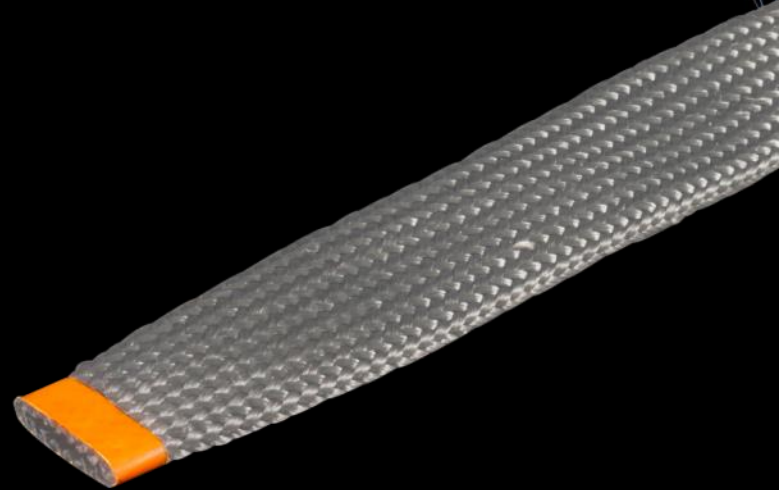
DuPont™ and Kevlar® are trademarks or registered trademarks of E.I. duPont de Nemours and Company.



Nylon Tubular Expandable Wire Protection Braid

102-072: economical, general-duty “workhorse” wire protection

- Monofilament Nylon tubular braid
- -20° to +170°C temperature range
- 12,400 PSI yield tensile strength
- 90% elongation
- Excellent chemical resistance
- Excellent abrasion resistance



Black Dacron® Tubular Expandable Wire Protection

102-073: Economical, general duty wire protection per MIL-C-572G

- Yarn Dacron® tubular braid
- -62° to +150°C temperature range
- 10,000 PSI yield tensile strength
- 12% elongation
- Good chemical resistance
- Good abrasion resistance
- Fire-resistant, will not melt



Halar[®] Tubular Expandable Wire Protection Braid

102-020, -021, -022, and -023: chemically resistant to corrosive liquids / organic solvents, self-extinguishing

- Monofilament Halar[®] tubular braid
- -65° to +150°C temperature range
- 7,000 PSI yield tensile strength
- 15% elongation
- Excellent chemical resistance
- Excellent abrasion resistance
- Very low flammability



Polyethylene Tubular Expandable Wire Protection Braid

102-001 and -002: general-duty wire protection for rail, marine, and vehicle applications

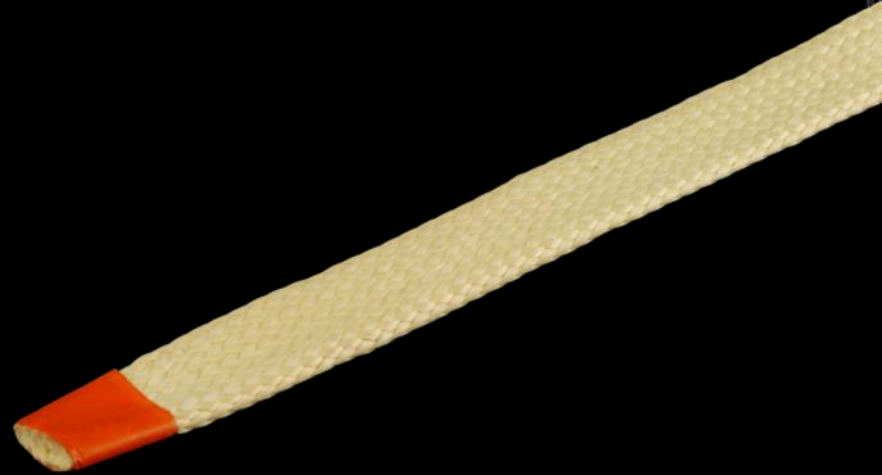
- Monofilament polyethylene tubular braid
- -55° to +125°C temperature range
- 50,000 PSI yield tensile strength
- 20% elongation
- Good chemical resistance
- Good abrasion resistance



Ryton Tubular Expandable Wire Protection Braid

102-080: general duty, chemical resistant, dimensionally stable

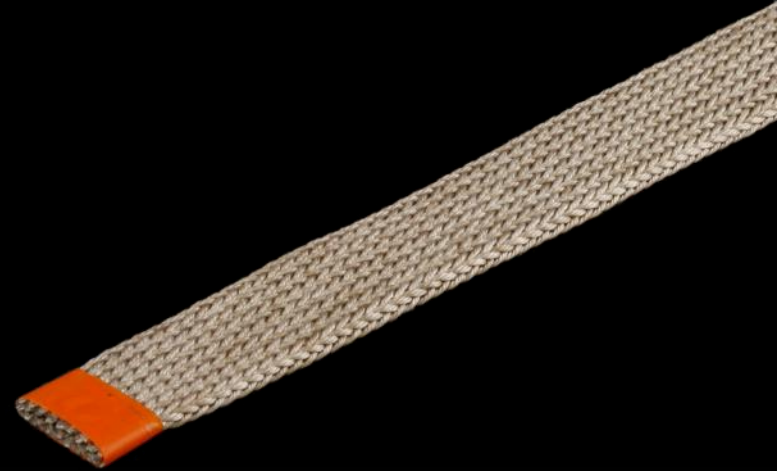
- Monofilament Ryton tubular braid
- -65° to +180°C temperature range
- 19,000 PSI yield tensile strength
- 40% elongation
- Excellent chemical resistance
- Excellent abrasion resistance



PTFE Glass Tubular Expandable Wire Protection Braid

100-022 high-temperature range tubular braid: ideally suited for cable protection adjacent high-heat engine applications

- Highly flexible PTFE-glass tubular braided sleeving with outstanding high and low-temperature resistance (-204°C to +482°C)
- Ideally suited for rugged wire harness protection in proximity to engines and galleys
- Highly resistant to contaminants and toxic chemicals per ASTM D-570
- Smooth surface resistant to snagging and breakage



MasterWrap™

Lightweight, side-entry cable wrap
with **ARMORLITE** Technology

- Lightweight, side entry, conductive EMI/RFI cable wrap for use in harness applications--from long runs, to spot coverage and repairs
- The faster, easier-to-apply cable covering for EMI/RFI shielding and abrasion protection applications



MasterWrap™ ArmorLite

Technology Advantages

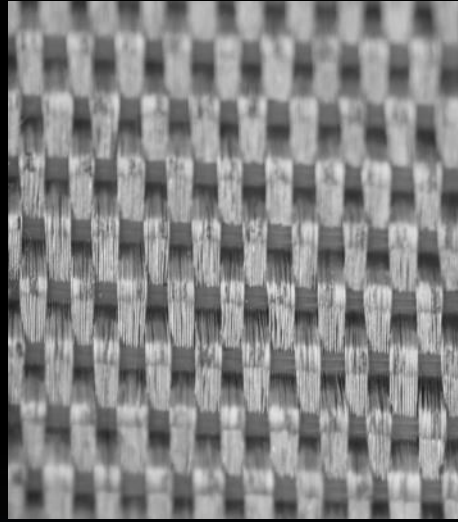
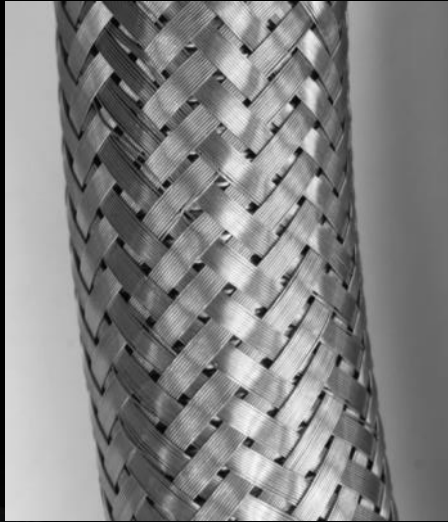
- **Saves weight:** 70% material weight reduction compared QQ-B-575 / A-A-59569 nickel copper
- **Simplifies Installation:** Replaces harder-to-install tubular EMI/RFI sleeving
- **Saves Time:** Fast and easy side-entry installation and removal
- **Improves EMI/RFI shielding:** Reduces windowing and coverage gaps
- **Improves Performance:** Delivers superior flexibility, durability and reparability



MasterWrap™

MasterWrap™ ArmorLite

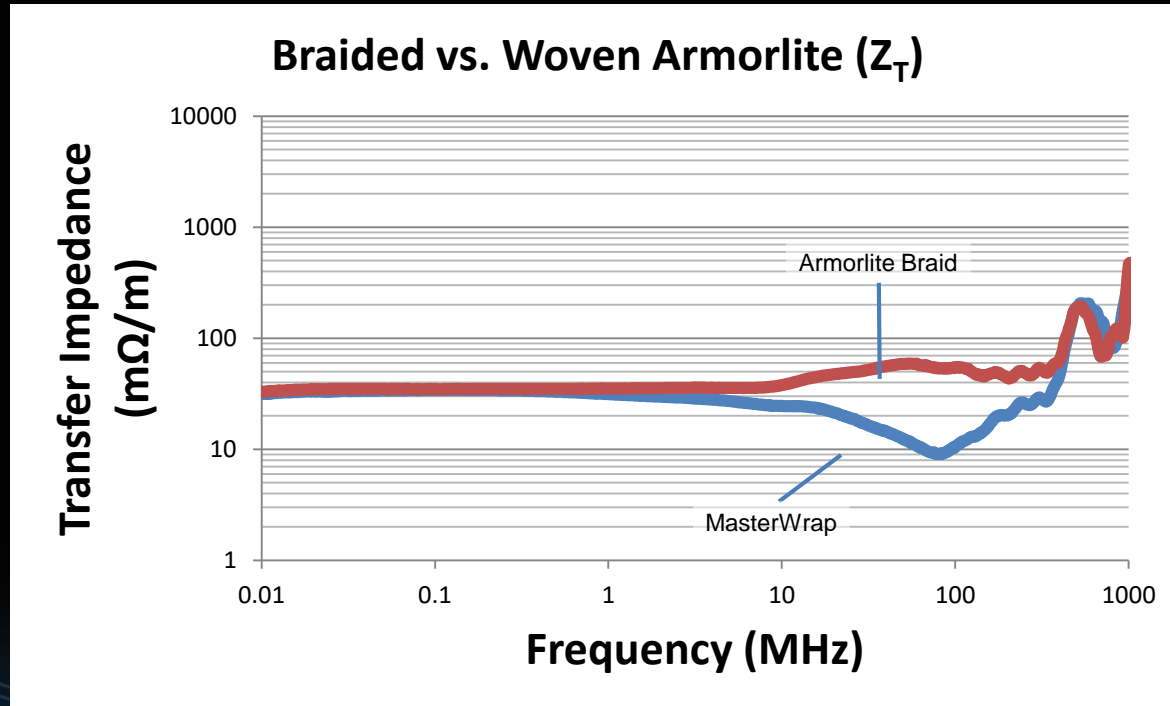
Technical Overview



- Microfilament **ARMORLITE** stainless steel core, conductive nickel plating
- Interwoven PEEK spring members
- Woven mesh with built-in twist action

MasterWrap™ EMI Performance

No compromise compared to tubular braided product




MasterWrap™ Performance Testing

REVISIONS		
LTR	DESCRIPTION	DATE
-	INITIAL RELEASE	1-7-2016

MasterWrap™ Lightning Test

PREPARED BY: S. COOK <i>S. Cook</i>	DATE 1-8-16	DNB ENGINEERING, INC. FULLERTON, CA 92833 U.S.A. LIGHTNING INDIRECT EFFECTS TEST REPORT FOR THE SELF-WRAPPING EMI SHIELD PREPARED FOR: GLENAIR INC. PURCHASE ORDER NUMBER: PC112615-2-3389
TEST ENGINEER: S. COOK <i>S. Cook</i>	1-8-16	
TEST DEPT. MGR. T. VU <i>T. Vu</i>	1/08/16	
QUAL ASSURANCE: M. NEIS <i>M. Neis</i>	1/8/16	
SIZE A	CAGE CODE 61242	DRAWING NO. TR043577
SCALE: NONE		REV LTR - SHEET 1

DNB ENGINEERING, INC. 3535 W. COMMONWEALTH AVE. FULLERTON, CA 92833 (714) 876-7791 FAX (714) 876-8081 www.dnbeinc.com



Glenair Cage Code: 06324 Page 1 of 1	QUALIFICATION TEST PLAN (QTP)	Document #: QTP-405 Revision: E Date: 6/26/2015
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QUALIFICATION TEST PLAN GLENAIR MASTERWRAP™ SIDE-ENTRY EMI CABLE SHIELDING SLEEVES

<i>G. Hurs</i>	7/24/2015
Guido Hursziker, Vice President, R&D	Date
<i>Ken Ceriak</i>	7/24/2015
Ken Ceriak, Business Development Manager	Date

*Signatures on file



MasterWrap™ ArmorLite Testing Available

Section No. (per Table 3)	QTP 405 Table 3	Qualification Requirement:	Test Purpose:	Test Method:
9.1	X	Visual, Weight, Braid's Geometry inspections	Product conformance inspection	Glenair First Article Inspection
9.2	X	Thermal Shock	Temperature cycling test with high +215°C and low -75°C	EIA-364-32D
		Operating Temperature	Continuous high +260°C low -65°C	Glenair Material Standards
9.6	X	DC Resistance	DC linear resistance measurement	EN3475-301
9.7	X	Surface Transfer Impedance	Transfer impedance measurement	IEC 62153-4-3
9.5		Shielding Effectiveness	Shield effectiveness measurement	IEC 62153-4-4
		Tensile Strength	Test to obtain the ultimate breaking load and behavior of the product under tensile strength	Glenair QTP405
7	X	Lightning	Test material overbraid sleeve behavior to lightning test	LTI Test Plan and Procedure: DO-160G - Wave Form 5B

MasterWrap™ ArmorLite Testing Available

Section No. (per Table 3)	QTP 405 Table 3	Qualification Requirement:	Test Purpose:	Test Method:
8		Mass Loss and Collected Volatile Condensable Materials	Record mass loss and volatile condensable materials	ASTM E-595
9		Flexure endurance	Test material overbraid sleeve resistance to the flexion motion	BA Flex test Procedure
10		Salt Spray	Test the material overbraid sleeve resistance to corrosive environment	ASTM B117-09 Sodium Chloride. 500 Hrs
10.2	X	Random Vibration	Test the material overbraid sleeve resistance to the vibration	EN 6059-406 Par 406
12		Fluid Immersion	Test the material overbraid sleeve resistance to the fluids	AS4373D method 601
13		Flammability	Test the material overbraid sleeve resistance to the flammability	14 CFR Part 25

MasterWrap™ ArmorLite Dimensions/How to Order

How to Order

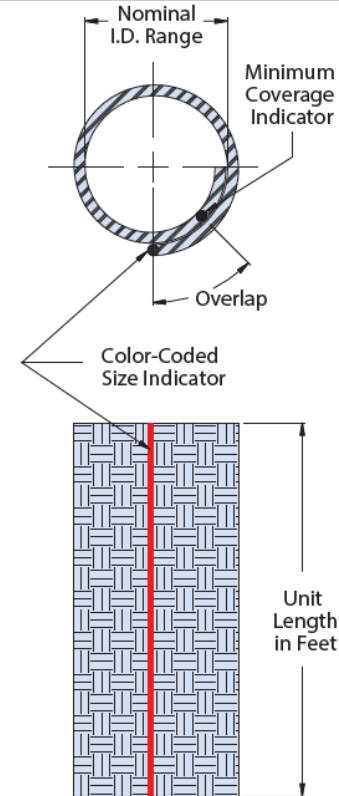
103-079

-024

Product Series

Dash No (See Table 1)

Table 1						
Dash No	Mominal I.D. (Ref)	Reference Wire Bundle Range Nominal	Approximate Weight Grams/Ft.	Approximate Milliohms per Meter	Min. Pull Strength (lbs)	Size Indicator color code
004	.125 (3.2)	.093 (2.4) .170 (4.3)	2.1	99.8	39	BLACK
008	.250 (6.4)	.170 (4.3) .300 (7.6)	4.0	52.2	75	BROWN
012	.375 (9.5)	.300 (7.6) .406 (10.3)	5.0	41.8	94	RED
016	.500 (12.7)	.406 (10.3) .520 (13.2)	6.2	34.0	116	ORANGE
020	.625 (15.9)	.520 (13.2) .675 (17.2)	8.7	24.2	158	YELLOW
024	.750 (19.1)	.675 (17.2) .825 (21.0)	10.6	20.0	193	GREEN
032	1.000 (25.4)	.825 (21.0) 1.100 (27.9)	12.9	16.4	237	BLUE
040	1.250 (31.8)	.938 (23.8) 1.312 (38.3)	17.4	TBD	TBD	VIOLET
048	1.500 (38.1)	1.187 (30.1) 1.590 (40.4)	21.2	TBD	TBD	GRAY
064	2.000 (50.8)	1.812 (33.0) 2.090 (53.1)	25.8	TBD	TBD	WHITE



MasterWrap™ ArmorLite Weight Savings

Weight of standard metallic tubular braided cable shielding		
EMI Braided Shielding Type (measured samples all 1/2" diameter)	Weight g/ft	Weight g/m
Glenair nickel-clad copper braid	21.6	70.9
Raychem RAY-103-12.5 nickel-clad copper braid	21.9	72.0
Weight of lightweight tubular (LWB) braided cable shielding		
AmberStrand® 100%	3.7	12.1
AmberStrand® 75% / 25%	4.9	16.1
ArmorLite™ 100%	4.4	14.4
ArmorLite™ 75% / 25%	5.4	17.7
Raychem INSTALITE	13.4	44.0
Weight of side-entry self-wrapping braided cable shielding		
MasterWrap™	6.2	20.3
Federal Mogul ROUNDIT® EMI FMJ	18.0	59
Federal Mogul ROUNDIT® EMI C27 XWS	23.5	77

MasterWrap™ ArmorLite Shielding Performance

	NiCu	Armorlite™	Amberstrand®	MasterWrap™
TRANSFER IMPEDANCE (Per IEC 62153-4) (Max values for 1/2 inch diameter shields)				
FREQUENCY				
10 KHz	5 mΩ/m	50 mΩ/m	60 mΩ/m	40 mΩ/m
100 KHz	5 mΩ/m	50 mΩ/m	60 mΩ/m	40 mΩ/m
1 MHz	12 mΩ/m	50 mΩ/m	60 mΩ/m	40 mΩ/m
10 MHz	80 mΩ/m	50 mΩ/m	80 mΩ/m	40 mΩ/m
100 MHz	130 mΩ/m	30 mΩ/m	110 mΩ/m	80 mΩ/m
SHIELDING ATTENUATION (Per IEC 62153-4) (Min values for 1/2 inch diameter shields)				
FREQUENCY				
1 GHz	38 dB	55 dB	48 dB	40 dB
3 GHz	40 dB	60 dB	55 dB	35 dB
5 GHz	44 dB	60 dB	60 dB	45 dB
8 GHz	40 dB	50 dB	60 dB	40 dB
WEIGHT	154 g/m	14.4 g/m	12.1 g/m	20.3 g/m

MasterWrap™ EWIS Wire Protection

Applications for MasterWrap™ lightweight side-entry cable wrap



- Wiring Installation
- Rework/Repair
- System Upgrades
- Test and Development
- Enhanced Shielding

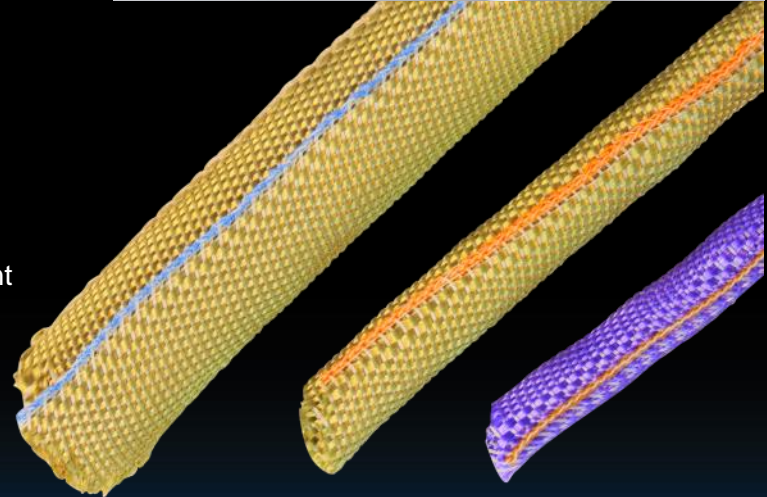
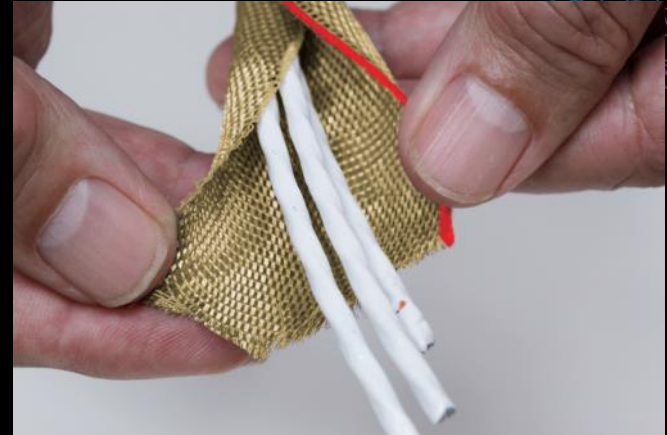


New MasterWrap™ (Nomex®)

For spot mechanical coverage and repair of wire harnesses

- Abrasion protection
- Thermal protection
- Easy installation
- Color options for identification and labeling

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MasterWrap Installation Tooling

AVAILABLE WIRE LOOM TOOL FOR EASY ASSEMBLY

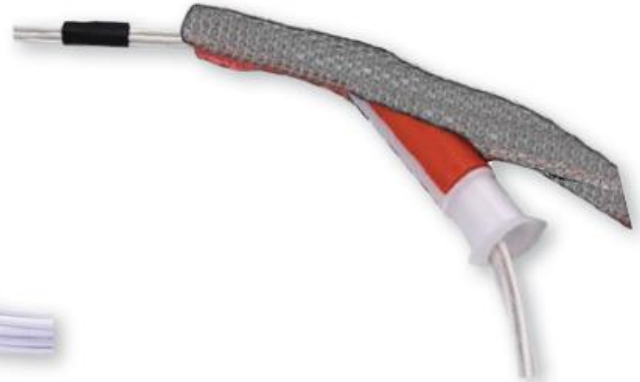
Select size based
on max bundle
diameter



Part Number	Max Bundle Dia.
600-180-08	3/8 in (8mm)
600-180-15	5/8 in (15mm)
600-180-20	3/4 in (20mm)
600-180-25	1 in (25 mm)
600-180-32	1 1/4 in (32mm)



Easy to use: simply gather wire
bundle into the tool...



...Insert tool and wires into
MasterWrap and run through

New ArmorLite and Nomex® Mesh Tape

Spot EMI and mechanical protection



DuPont™ and Nomex® are trademarks or registered trademarks of E.I. duPont de Nemours and Company.

Grounding and Bonding Straps

There are many reasons for grounding/bonding straps

- Lightning strike
- Current return
- Grounding
- Power dissipation
- EMI shielding
- Abrasion resistance
- Dynamic loads, both mechanical and electrical



107 series

Lightweight, Low-Profile Ground Straps

- Lighter in weight: 67%+
- Low resistance: 6 mOhms (1.3 width)
- High flexibility: 250K
- Lightning strike: To 100kA
- Materials: 100% Stainless Steel, Blended Copper and Stainless Steel
- Broad operating temp: up to 260° C
- Good corrosion performance : 500 hr. salt spray



LIGHTWEIGHT
ArmorLite™ Microfilament Ground Straps—for Aircraft ESD and Lightning Strike Applications

Lightning protection and protection techniques are well known and applied in aircraft design, but innovations are still required, particularly in support of efforts to reduce the size, weight and assembly complexity of aircraft electrical systems. Lightweight Glenair technologies for post-grounding are already utilized for:

- Grounding airframe sections
- Dissipating static build-up in composite structures
- Dissipating lightning strike energy
- Grounding individual moving parts in complex equipment such as landing gear

ArmorLite™ microfilament braid offers 70% weight savings over standard NiCu braid – plus advantages in virtually every category due to Glenair's ability to fine-tune the makeup of the metal cross-section (size, cladding and protective plating) to the exact requirements of each application. Glenair ArmorLite™ lightweight microfilament braids, and hybrid ArmorLite™ and nickel braids are now approved for use by every major airframe and equipment manufacturer.

CUSTOM CONFIGURATIONS AVAILABLE



Hybrid Material Best Legs Heavy Duty

GLENAIR BONDING ENGINEERS ARE EXPERTS IN GROUND STRAP OPTIMIZATION FOR:

- Weight and conductivity
- Electrical resistance
- Rapid heat distribution
- Bend cycle durability
- Material aging and corrosion resistance

Comprehensive test reports available

Glenair.

For more information contact Glenair at 818-247-8500 or visit our website at www.glenair.com. U.S. CAGE code 06324

MS24749B Type IV Ground Straps

Lugs:

- Materials: 316 L Stainless
- Plating: N/A
- Holes: Multiple sizes

Braid:

- Materials: 50% Stainless Steel, 50% Nickel 200
- Plating: N/A
- Width: 1 inch per spec
- Length: Any
- Braid Qty: Single



**MIL-DTL-24749 TYPE IV
Ground Straps**
for Navy shipboard applications

- Meets the rigorous specifications of MIL-DTL-24749 Rev. B
- Tested to survive 1000 hours salt spray
- Unique Stainless Steel/Nickel hybrid braid
- Available in six standard configurations, with non-standard length/lug size configurations available

Ground straps utilized in shipboard applications are subject to grueling environmental conditions: wet, cold salt water spray, and caustic hydraulic fluids. Crownweld's nickel copper braid/copper lug ground straps corrode, and become a source of electrical resistance problems in these harsh environments.

Glencair MIL-DTL-24749 Rev B Type IV ground straps solve these corrosion and electrical resistance problems with a unique 50% Stainless Steel / 50% Nickel 200 SPANIC hybrid braid, and passivated Stainless Steel lugs. These US Navy approved ground straps are qualified to the rigorous standards of MIL-DTL-24749, and are tested beyond the mil-spec to survive 1000 hours salt spray. Allowed usages for Type IV straps can be found in MIL-STD-1310H.

Glencair MIL-DTL-24749 Rev. B Type IV Stainless Steel/Nickel Ground Straps: US Navy qualified and tested to survive extreme environments

For more information contact Glencair at: 816-247-6000 or visit our website at www.glencair.com U.S. CAGE code 96324

Shield Termination Backshell Technology

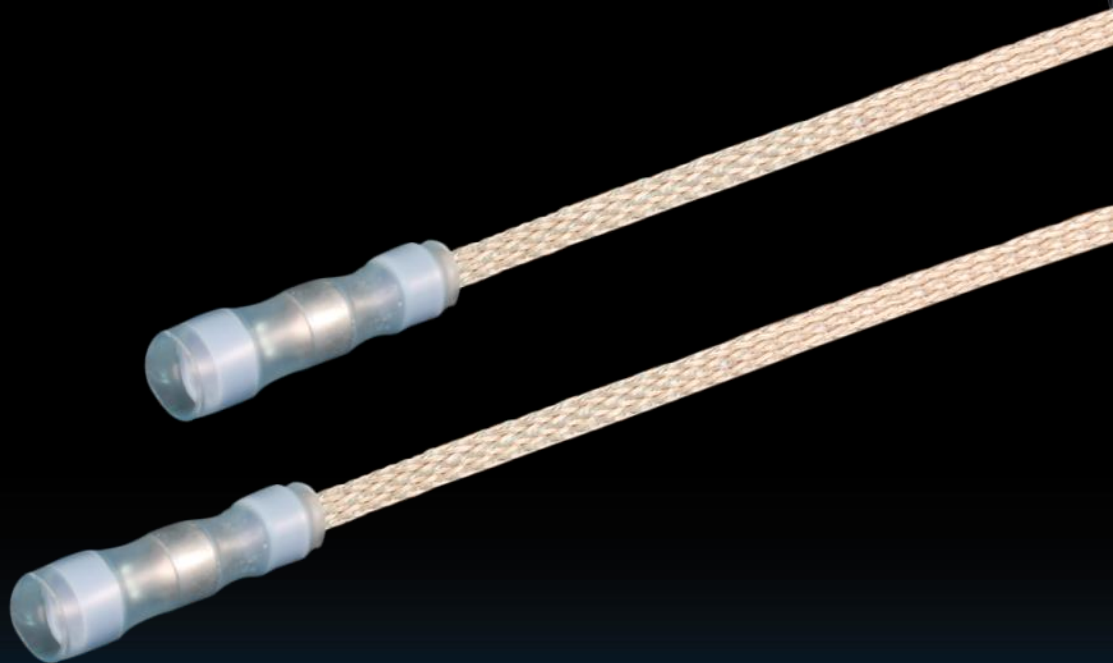
SwingArm: Light Weight - Corrosion Free - Three-in-One

- Straight, 45° and 90°
- Integrated EMI/RFI shield sock
- Self-locking coupling nut
- Optional composite braid (319-065)
- Electroless nickel shield termination and interface
- No-braid version (627-122)

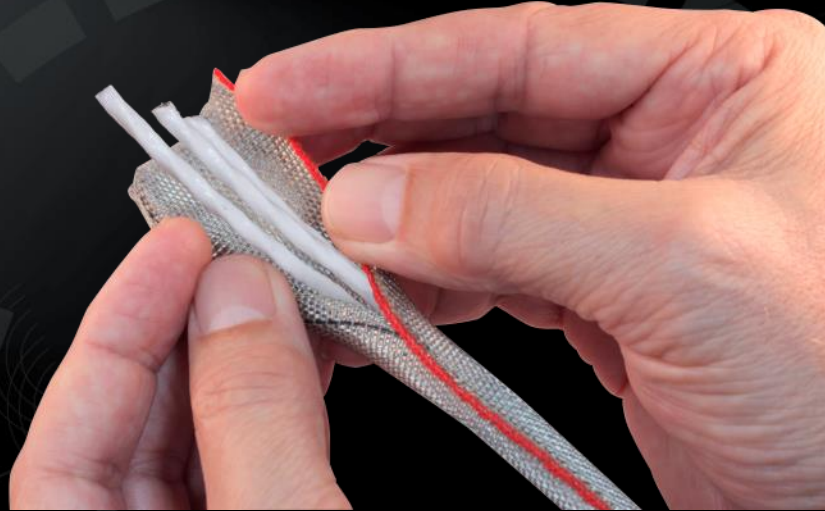


AS83519/2 TYPE · 077-030

Heat Shrink Termination (HST) Sleeves with Tin-Copper, Nickel-Copper, AmberStrand, or ArmorLite braid



The widest range of
mission-critical interconnect
technologies in the world



Braided Wire Protection

EMI/RFI Shielding • Mechanical Wire Protection • Grounding