

# Amphenol®



## **Amphe-HST**

**Heat Shrinkable Tubing & Accessories**

## Company Introduction

### Company Overview

Manufacturing connectors for over eight decades, we take pride that Amphenol Industrial Operations (AIO) is the undisputed leader in interconnect systems for harsh environment applications. Such applications require a high degree of engineering sophistication and precision manufacturing capability. Innovations like our RADSOK® contact technology can provide up to 50% more current through the same size pin. Connectors utilizing this RADSOK® technology will outperform similar products in the market hands down.

Amphenol Industrial, a division of the Amphenol Corporation, is a leading global manufacturer of cylindrical connectors. Amphenol Industrial's product lines consist of rectangular, standard miniature, fiber optic, EMI/EMP filter, and a variety of special application connectors.

Amphenol Industrial's Sidney, NY facility, nestled at the foothills of the Catskill Mountains, is over 675,000 square feet. This complex houses over 1,000+ employees, incorporating state-of-the-art manufacturing technologies. The facility is both ISO9001 certified and qualified to MIL-STD-790 requirements.

Our manufacturing capabilities include state-of-the-art CNC machining, die-casting, molding, impact and extruding, plating, screw machining and process controls.

AIO also has a fully equipped material evaluation lab and an engineering support organization utilizing the latest in computer aided design software and analysis tools.

### Amphe-HST Series

- Thin Wall Tubing
- High Temperature Products
- Dual Wall Tubing
- Medium & Heavy Wall Tubing
- Medium Voltage Tubing & Tape
- Molded Parts
- Application Equipment
- Marker Sleeves



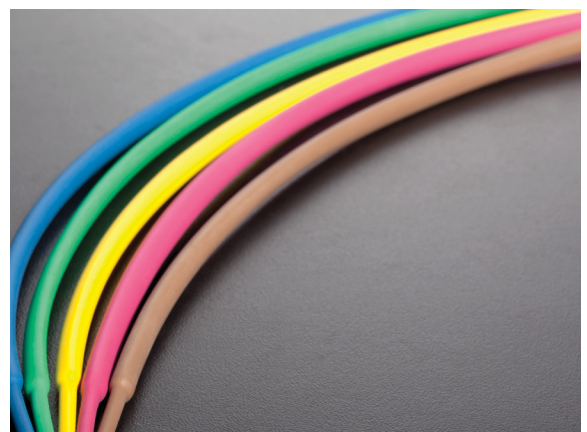
Amphenol Industrial - Sidney, NY USA

### Amphe-HST

As a world technology leader in the manufacture and design of interconnects and cable assemblies, Amphenol Industrial Operations realizes there is a need for quality heat shrinkable materials.

Our Amphe-HST (HST - Heat Shrink Technologies) is a heat shrink tubing series that is ideal, but not limited to, the markets of energy, rail mass transit, heavy equipment, hybrid/electrical vehicles, server/data center power, mining and other major industries. Made from a cross-linked polyolefin material, most of our shrinkable products have been tested and comply with UL/CSA, IEC, ASTM, MIL, ISO specifications. Amphe-HST provides effective insulation and protection to your functional parts, components and systems at an affordable cost.

Along with our heat shrink tubing AIO can also provide molded parts, marker sleeves and application equipment such as heat guns, conveyor ovens and more.



# Thin Wall Tubing



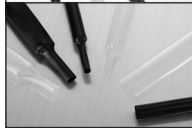



	<b>A-2(Z)</b> Flexible, Flame Retardant, High Performance Tubing		<b>A-2R</b> Semi-Rigid, Multi-Purpose, Flame Retardant Tubing		<b>A-2F(YG)</b> Yellow & Green Striped, Flexible, Flame Retardant Tubing
	<b>A-2(3X)</b> Flexible, Flame Retardant Tubing		<b>A-2F</b> Flexible, Highly Flame Retardant Tubing		<b>A-2(LS)</b> Very Low Shrink Temperature, Flexible Tubing
	<b>A-2(CB)</b> Ultra Thin Wall, Flexible, Flame Retardant Tubing		<b>A-2F(3X)</b> Highly Flexible, Flame Retardant Tubing		<b>A-1</b> General Purpose, non flame retardant Tubing
	<b>A-2(HF)</b> Halogen Free, Flexible Flame Retardant Tubing		<b>A-2F(4X)</b> Highly Flexible, Flame Retardant Tubing		<b>ABG</b> General Purpose, non flame retardant Tubing

PRODUCT	Cross Linked Polyolefin	Operating Temp. (°C)	Min. Shrink Temp. (°C)	Min. Full Recovery Temp. (°C)	Voltage	Shrink Ratio	Size (mm)	As Supplied (mm) D* (Min.)	After Recovered (mm) d* (Max.)	After Recovered (mm) w* (Min.)	Standard Color(s) (Special Colors are Available)	Flammability	Flexibility	UL	CSA	RoHS	UV Resistant	SAE-AMS-DTL-23053/
A-2(Z)	•	-55°C to +125°C	70°C	100°C	600V	2:1	1.0 to 152.4	1.2 to 50	0.5 to 76	0.32 to 1.3	Black, Red, Blue, Yellow, Green, White, Grey, Purple, Brown, Orange	VW-1	High	•	•	•		
A-2(3X)	•	-55°C to +125°C	70°C	100°C	600V	3:1	1.5 to 50	1.5 to 50	0.5 to 17	0.45 to 1.29	Black, Red, Blue, Yellow, Green, White, Grey, Purple, Brown	VW-1	High	•	•	•		
A-2(CB)	•	-55°C to +125°C	70°C	100°C	300V	2:1	1.0 to 25	1.2 to 25	0.5 to 12.5	0.21 to 0.46	Black	VW-1	High	•	•	•		
A-2(HF) h*	•	-55°C to +125°C	70°C	100°C	600V	2:1	3.0 to 150	3 to 150	1.5 to 76	0.44 to 1.3	Black, White	Self-extinguished	Normal	•		•		
A-2R r*	•	-55°C to +135°C	70°C	130°C	600V	2:1	1.2 to 25.4	1.2 to 25.4	0.6 to 12.7	0.4 to 0.9	Black	VW-1	Semi-Rigid	•	•	•		/6
A-2F r*	•	-55°C to +135°C	70°C	100°C	600V	2:1	1.2 to 150	1.2 to 150	0.6 to 75	0.40 to 1.40	Black, Red, Blue, Yellow, Green, White, Grey, Clear, Purple, Brown, Orange	VW-1	Normal	•	•	•		/5
A-2F(3X) r*	•	-55°C to +135°C	70°C	100°C	600V	3:1	1.5 to 39	1.6 to 39	0.5 to 13	0.45 to 1.25	Black, Red, Blue, Yellow, Green, White, Grey, Purple, Brown	VW-1	High	•	•	•		/5
A-2F(4X) r*	•	-55°C to +135°C	70°C	100°C	600V	4:1	19.1 to 115	19.1 to 115	4.5 to 36	1.65 to 1.9	Black, Blue, Yellow, Red, White	VW-1	High	•	•	•	•	/5
A-2F(YG)	•	-55°C to +135°C	70°C	100°C	600V	2:1	2.0 to 100	2.0 to 101.6	1.0 to 50	0.4 to 1.3	Yellow & Green Striped	VW-1	Normal	•	•	•		/5
A-2F(YG) 3:1	•	-55°C to +135°C	70°C	100°C	600V	3:1	2.4 to 15	2.4 to 15.5	0.8 to 5.0	0.51 to 0.85	Yellow & Green Striped	VW-1	Normal		•	•		/5
A-2(LS)	•	-55°C to +125°C	65°C	95°C	600V	2:1	1.58 to 50.8	1.6 to 50.8	0.8 to 25.4	0.5 to 1.10	Black	FMVSS 302	High		•	•		
A-1	•	-55°C to +105°C	70°C	95°C	600V	2:1	1.0 to 100	1.0 to 100	0.5 to 50	0.32 to 1.3	Clear & Black	Flammable	Normal			•		
ABG	•	-55°C to +125°C	80°C	110°C		2:1	12.7 to 76.2	12.7 to 76	6.6 to 39	0.62 to 1.20	Yellow, White	VW-1	Normal			•		

h\* = Halogen Free/Low Smoke Emissions  
d\* = Inner diameter after fully recovered

D\* = Inner diameter as supplied    w\* = Wall thickness after full recovered  
r\* = Resistant to Common Fluids & Solvents

## High Temperature Products

	<b>A-150K</b> Environmentally Friendly, Flexible, Flame Retardant Tubing, Shrink Ratio 2:1		<b>A-200E (TW)</b> Environmentally Friendly, Flexible, Flame Retardant Tubing, Shrink Ratio 2:1
	<b>A-175K</b> Environmentally Friendly, Flexible, Flame Retardant Tubing, Shrink Ratio 2:1		<b>ATFE</b> Environmentally Friendly, Flexible, Flame Retardant Tubing, Shrink Ratio 1.5:1
	<b>ADR</b> Environmentally Friendly, Flexible, Flame Retardant Tubing, Shrink Ratio 2:1		
	<b>A-200E</b> Environmentally Friendly, Flexible, Flame Retardant Tubing, Shrink Ratio 2:1		


PRODUCT	Cross Linked Polyolefin	Operating Temp. (°C)	Min. Full Recovery Temp. (°C)	Voltage	Shrink Ratio	Size (mm)	As Supplied (mm) D* (Max.)	After Recovered (mm) d* (Min.)	After Recovered (mm) w1* (Min.)	Standard Color(s) (Special Colors are Available)	Flammability	Flexibility	UL	CSA	RoHS	SAE-AMS-DTL-23053/4
A-150K h*	•	55°C to +150°C	150°C	600V	2:1	1.2 to 38.1	1.2 to 38.1	0.6 to 19.1	0.28 to 0.45	Clear, Black	VW-1	High			•	/18
A-175K h*	•	-55°C to +175°C	175°C	600V	2:1	1.2 to 38.1	1.2 to 38.1	0.6 to 19.1	0.20 to 0.51	Clear, Black	VW-1	High			•	/18
ADR r*	•	-55°C to +150°C	175°C	600V	2:1	3.2 to 50.8	3.2 to 50.8	1.6 to 25.4	0.73 to 2.65	Black	Self - extinguishing, 30 seconds	High			•	/16
A-200E h*	•	-55°C to +200°C	175°C	600V	2:1	3.2 to 38.1	3.2 to 38.1	1.6 to 19.1	0.76 to 1.92	Black	VW-1	High			•	/13
A-200E(TW) h*	•	-55°C to +200°C	175°C	600V	2:1	9.5 to 38.1	9.5 to 38.1	4.8 to 19.1	0.9 to 1.4	Black	VW-1	High			•	/13
ATFE	•	-65°C to +260°C	350°C	600V	1.5:1	AWG 30T to AWG 0T	0.86 to 11.95	0.34 to 8.17	0.21 to 0.37	Clear	Self - extinguishing, 30 seconds	High			•	/12

h\* = Halogen Free/Low Smoke Emissions  
d\* = Inner diameter after fully recovered

D\* = Inner diameter as supplied      w\* = Wall thickness after full recovered  
r\* = Resistant to Common Fluids & Solvents



# Dual Wall Tubing

	<b>A-5(3X)</b> Adhesive Lined, Flexible Tubing, 3:1 Shrink ratio		<b>A-5(3X)-M</b> Heavy Walled, Flame retardant, Adhesive Lined Tubing
	<b>A-5(4X)</b> Adhesive Lined, Flexible Tubing, 4:1 Shrink ratio		<b>ABK</b> Semi-Rigid, Adhesive Line Tubing
	<b>A-5(3X)-F</b> Adhesive Lined, Flame Retardant, High Flexible Tubing, 3:1 Shrink ratio		<b>A-5(2000)</b> Adhesive Line Tubing for Automotive Pipe Protection
	<b>A-5(4X)-F</b> Adhesive Lined, Flame Retardant, High Flexible Tubing, 4:1 Shrink ratio		

PRODUCT	Cross Linked Adhesive Lined Polyolefin	Operating Temp. (°C)	Min. Shrink Temp. (°C)	Min. Full Recovery Temp. (°C)	Voltage	Shrink Ratio	Size (mm)	As Supplied (mm) D* (Max.)	After Recovered (mm) d* (Min.)	After Recovered (mm) w1* (Min.)	After Recovered (mm) w2* (Min.)	Standard Color(s) (Special Colors are Available)	Flammability	Flexibility	UL	CSA	RoHS	UV Resistant	SAE-AMS-DTL-23053/4
<b>A-5(3X) F*</b>	•	-55°C to +125°C	80°C	110°C	600V	3:1	3.0 to 50.0	3.2 to 50.0	1.0 to 19.0	0.95 to 2.4	0.35 to 1.10	Black, Red, Blue, Yellow, Green, White, Brown, Grey	VW-1	Normal	• B*	• B*	• B*	•	•
<b>A-5(4X) F*</b>	•	-55°C to +125°C	80°C	110°C	600V	4:1	4.0 to 52.0	4.0 to 52.0	1.0 to 13.0	1.15 to 2.9	0.5 to 1.2	Black, Red, Green, White,	VW-1	Normal	• B*	• B*	• B*	•	•
<b>A-5(3X)-F F*</b>	•	-55°C to +125°C	70°C	100°C	600V	3:1	3.0 to 40.0	3.0 to 40.0	1.0 to 13.0	1.0 to 2.4	0.45 to 1.0	Black, Red, Blue, Yellow, Green, White, Brown, Grey	VW-1	High	• B*	• B*	• B*	•	•
<b>A-5(4X)-F F*</b>	•	-55°C to +125°C	70°C	100°C	600V	4:1	4.0 to 52.0	4.0 to 52.0	1.0 to 13.0	1.0 to 2.4	0.5 to 1.0	Black	VW-1	High	•	•	•	•	•
<b>A-5(3X)-M F*</b>	•	-55°C to +125°C	80°C	110°C	600V	3:1	19.0 to 100	19.0 to 100	6 to 30	2.9	1.2	Black	Self-extinguishing, 30 seconds	Normal			•	•	
<b>ABK</b>	•	-55°C to +125°C	110°C	135°C	600V	4:1	6.0 to 18.0	6.0 to 18.0	1.27 to 4.45	1.3 to 2.4	0.5 to 1.35	Black	Self-extinguishing, 30 seconds	Semi-Rigid			•		
<b>A-5(2000) F*h*</b>	•	-55°C to +105°C	100°C	120°C	600V	1.5:1	5.0 to 15.0	5.5 to 15.0	3.3 to 9.5	1.0 to 1.4	0.15	Black	Flammable	Normal			•	•	•

D\* = Inner diameter as supplied  
w1\* = Wall thickness  
B\* = Black only

d\* = Inner diameter after fully recovered  
w2\* = Recovered wall thickness off adhesive

F\* = Waterproof  
h\* = Halogen Free/Low Smoke Emissions

# Medium & Heavy Wall Tubing

	<b>ARA2</b> Adhesive Lined, Flexible Tubing, 3:1 Shrink ratio		<b>ARTM</b> Medium Wall Tubing with Hot Melting Adhesive		<b>ARA-6X</b> Heavy Wall Tubing with Very High Shrink Ratio
	<b>ARTM</b> Medium Wall Tubing without Hot Melting Adhesive		<b>ARTH</b> Heavy Wall Tubing with Hot Melting Adhesive		<b>ASTV</b> Medium Wall Tubing for CATV Network
	<b>ARA3</b> Adhesive Lined, Flame Retardant, High Flexible Tubing, 3:1 Shrink ratio		<b>AFRA2</b> Adhesive Lined Tubing for Automotive Pipe Protection		<b>ARS</b> Medium Wall Tubing with Black Sealant Mastic Coated
	<b>AR3</b> Heavy Wall Tubing without Hot Melting Adhesive		<b>AFRA3</b> Flame Retardant, Heavy Wall Tubing with Hot Melting Adhesive		

PRODUCT	Cross Linked Polyolefin	Cross Linked Adhesive Lined Polyolefin	Cross Linked Adhesive Coated Polyolefin	Cross-Linked Polyolefin Mastic Coated	Operating Temp. (°C)	Min. Full Recovery Temp. (°C)	Shrink Ratio	Size (mm)	As Supplied (mm) D* (Min.)	After Recovered (mm) d* (Max.)	After Recovered (mm) w* (Min.)	Standard Color(s) (Special Colors are Available)	Flammability	UV Resistant
ARA2 h*		•			-55°C to +110°C	120°C	3:1	8 to 450	8 to 450	2 to 150	1.7 to 4.3	Black		•
AR2 h*	•				-55°C to +110°C	120°C	3:1	8 to 450	8 to 450	2 to 150	1.8 to 4.3	Black		•
ARA3 h*		•			-55°C to +110°C	120°C	3:1	22 to 385	22 to 385	6 to 110	2.7 to 4.8	Black		•
AR3 h*	•				-55°C to +110°C	120°C	3:1	9 to 450	9 to 450	3 to 150	1.8 to 4.8	Black		•
ARTM h*			•		-55°C to +110°C	120°C	3:1	8 to 160	8 to 160	2 to 50	1.7 to 3.4	Black		•
ARTH h*			•		-55°C to +110°C	120°C	3:1	9 to 130	9 to 130	3 to 36	1.9 to 4.0	Black		•
AFRA2		•			-55°C to +110°C	120°C	3:1	22 to 235	22 to 235	6 to 65	2.4 to 3.3	Black	Self-extinguishing, 60 seconds	•
AFRA3		•			-55°C to +110°C	120°C	3:1	22 to 235	22 to 235	6 to 65	2.4 to 3.3	Black	Self-extinguishing, 60 seconds	•
ARA-6X h*		•			-55°C to +110°C	120°C	6:1	19 to 233	19 to 233	3.2 to 40.0	3.2 to 4.7	Black		•
ASTV h*		•			-55°C to +110°C	120°C	3:1	10 to 70	10 to 70	3.8 to 25	2.0 to 2.4	Black		•
ARS h*				•	-35°C to +110°C	120°C	3:1	33 to 380	33 to 380	8 to 110	2.6 to 4.3	Black		•

D\* = Inner diameter as supplied    w\* = Wall thickness after full recovered    d\* = Inner diameter after fully recovered    h\* = Halogen Free / Low Smoke Emissions

# Medium Voltage Tubing & Tape



PRODUCT	Tubing	Tape	Cross Linked Polyolefin	Modified Polyolefin	Voltage Rating	Operating Temp. (°C)	Min. Full Recovery Temp. (°C)	Size (mm)	As Supplied (mm) D* (Min.)	After Recovered (mm) d* (Max.)	After Recovered (mm) w* (Min.)	Standard Color(s) (Special Colors are Available)	Flammability	Flexibility	UV Resistant
	AAT h*	•				Up to 36kV	-45°C to +105°C	120°C	19 to 100	19 to 100	6 to 49	2.5 to 3	Red	ISO 4589 ≥ 25	Semi
AATA h*	•				Up to 36kV	-45°C to +105°C	120°C	22 to 100	22 to 100	6 to 50	2.5 to 3.9	Black	ISO 4589 ≥ 25	Semi	•
ABT h*	•			•	Up to 24kV	-45°C to +105°C	110°C	19 to 150	19 to 150	6 to 60	2.5 to 3.0	Red	IEC 4589 ≥ 25	Normal	•
ABTM h*	•			•	Up to 24kV	-45°C to +105°C	120°C	15 to 120	15 to 120	6 to 50	2.0 to 2.8	Red	ISO 4589 ≥ 25	Normal	•
ABTH h*	•			•	Up to 36kV	-45°C to +105°C	120°C	25 to 150	25 to 150	10 to 60	3.9 to 4.1	Red	ISO 4589 ≥ 25	Normal	•
ABIT h*		•	•		Up to 36kV	-55°C to +105°C	100°C	25 to 100	25 to 100		1.1	Red	ASTM D 2671 Self-extinguishing, 60 seconds	Normal	•
ASCT	•		•			-45°C to +105°C	120°C	33 to 180	33 to 180	8 to 58	2.4 to 3.3	Black		Normal	•
ASC-100	•			•		-45°C to +105°C	130°C	26 to 75	26 to 75	10 to 30	2.1 to 2.4	Black		Normal	•
ASC-360	•			•		-45°C to +105°C	130°C	35 to 75	35 to 75	15 to 30	2.4	Black		Normal	•
ADWT h*	•		•			-45°C to +105°C	130°C	36 to 120	36 to 120	12 to 45	5.4 to 6.1	Black		Normal	•
AGT h*	•		•			-40°C to +110°C	120°C	35 to 120	35 to 120	12 to 45	3.2 to 5.0	Red		Normal	•
AOT h*	•		•			-40°C to +110°C	130°C	19 to 85	19 to 85	6 to 35	2.0 to 2.95	Clear		Normal	•

D\* = Inner diameter as supplied    w\* = Wall thickness after full recovered    d\* = Inner diameter after fully recovered    h\* = Halogen Free / Low Smoke Emissions

## Molded Parts

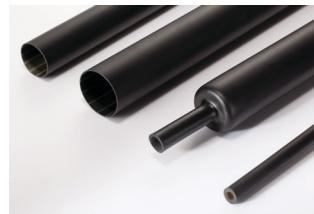
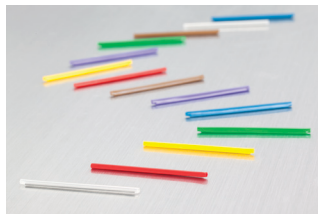
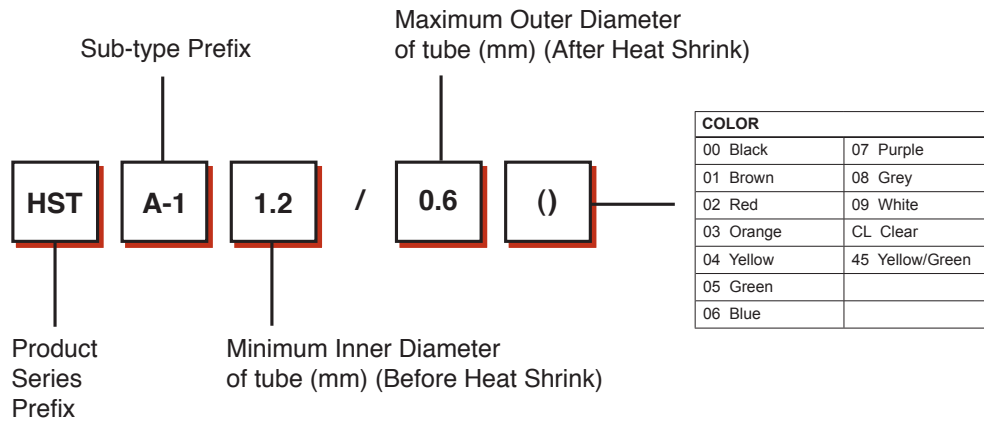
Our Amphenol-HST line includes reliable molded parts, which are shot from a crosslinked polyolefin material, are UV and weather resistant, available in black or red across several different applications. These parts are heat-shrinkable and can be used to provide strain relief and/or mechanical and electrical preservation.

	<b>ACB</b> 3 Cores Conductive Cable Breakout		<b>AMR</b> Medium Voltage Right/Straight Cable Boot		<b>ASEC</b> Cable End Caps with Spiral Adhesive Coating
	<b>ALB</b> Low Voltage Cable Breakout 2 to 5 Cores		<b>AMB</b> Medium Voltage 3 Cores Cable Breakout		<b>ACEC</b> Cable End Caps with Spiral Adhesive Coating
	<b>ACFT</b> Cable Feed Through		<b>AAS</b> Anti-Tracking Rain Shed		

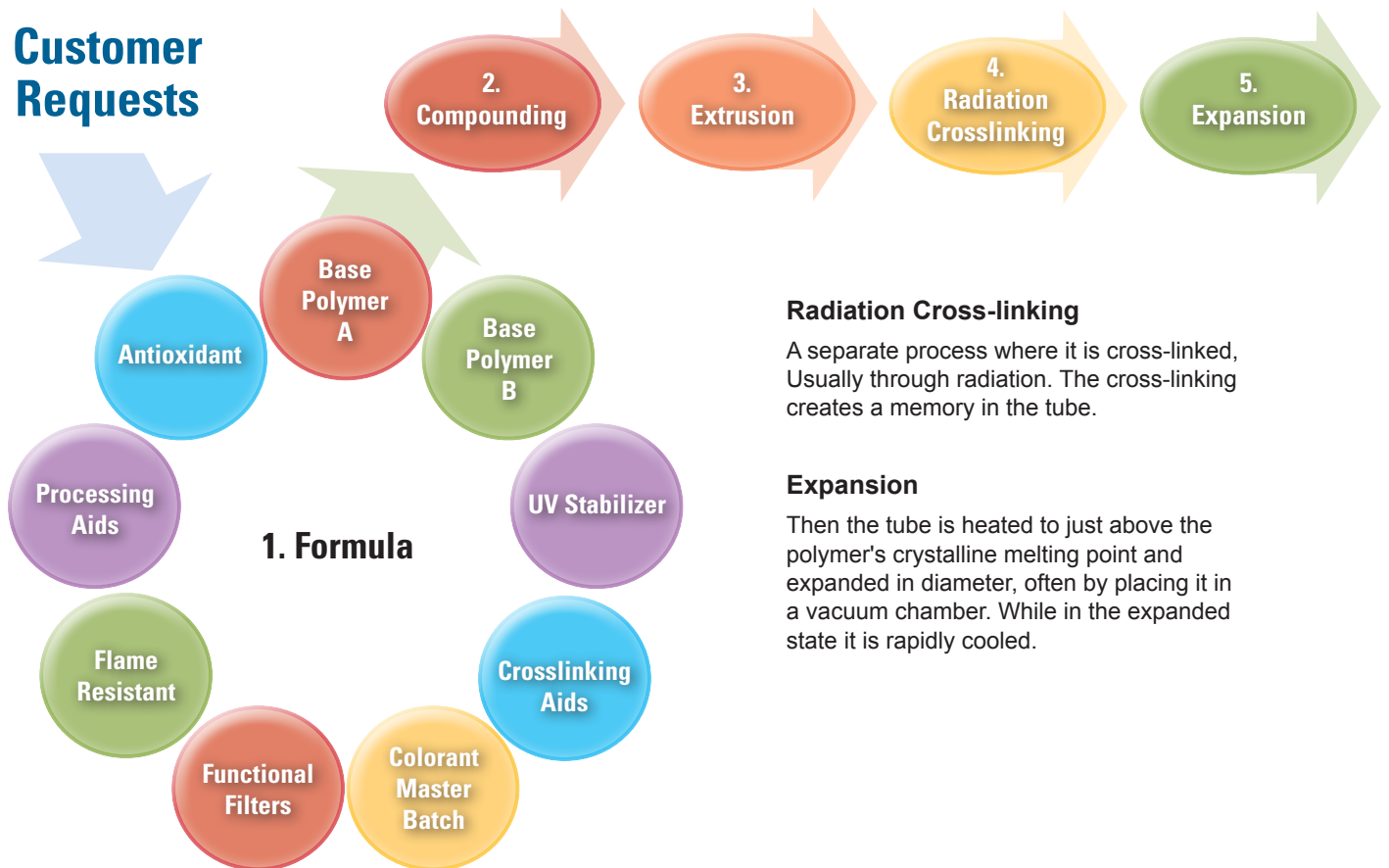
Amphenol P/N	Description	Amphenol P/N	Description
<b>ACB</b>		<b>AMR</b>	
HST ACB 60/24 (00)	ACB 3 CORES CONDUCTIVE CABLE BREAKOUT 60MM BK	HST AMR110 (80/36-35/18) (02)	AMR MEDIUM VOLTAGE RIGHT CABLE BOOT 110 RED
HST ACB 80/36 (00)	ACB 3 CORES CONDUCTIVE CABLE BREAKOUT 80MM BK	HST AMR120 (80/36-50/18) (02)	AMR MEDIUM VOLTAGE RIGHT CABLE BOOT 120 RED
HST ACB 110/48 (00)	ACB 3 CORES CONDUCTIVE CABLE BREAKOUT 110MM BK	HST AMR130 (80/36-50/27) (02)	AMR MEDIUM VOLTAGE RIGHT CABLE BOOT 130 RED
HST ACB 125/55 (00)	ACB 3 CORES CONDUCTIVE CABLE BREAKOUT 125MM BK	HST AMR140 (95/38-70/28) (02)	AMR MEDIUM VOLTAGE RIGHT CABLE BOOT 140 RED
HST ACB 140/68 (00)	ACB 3 CORES CONDUCTIVE CABLE BREAKOUT 140MM BK	HST AMR150 (145/72-68/34) (02)	AMR MEDIUM VOLTAGE RIGHT CABLE BOOT 150 RED
<b>ALB</b>		HST AMR160 (80/35-34/20) (02)	AMR MEDIUM VOLTAGE STRAIGHT CABLE BOOT 160 RED
HST ALB205 22/8 (00)	ALB 2 CORES CABLE BREAKOUT 22MM BK	HST AMR170 (80/35-58/20) (02)	AMR MEDIUM VOLTAGE STRAIGHT CABLE BOOT 170 RED
HST ALB208 28/9 (00)	ALB 2 CORES CABLE BREAKOUT 28MM BK	HST AMR180 (140/65-90/33) (02)	AMR MEDIUM VOLTAGE STRAIGHT CABLE BOOT 180 RED
HST ALB210 30/12 (00)	ALB 2 CORES CABLE BREAKOUT 30MM BK	<b>AMB</b>	
HST ALB215 40/16 (00)	ALB 2 CORES CABLE BREAKOUT 40MM BK	HST AMB 320 60/24 (02)	AMB MEDIUM VOLTAGE 3 CORES CABLE BREAKOUT 60 RED
HST ALB220 60/23 (00)	ALB 2 CORES CABLE BREAKOUT 60MM BK	HST AMB 330 80/36 (02)	AMB MEDIUM VOLTAGE 3 CORES CABLE BREAKOUT 80 RED
HST ALB220L 60/23 (00)	ALB 2 CORES CABLE BREAKOUT 60LMM BK	HST AMB 340 110/48 (02)	AMB MEDIUM VOLTAGE 3 CORES CABLE BREAKOUT 110 RED
HST ALB230 90/60 (00)	ALB 2 CORES CABLE BREAKOUT 90MM BK	HST AMB 350 125/55 (02)	AMB MEDIUM VOLTAGE 3 CORES CABLE BREAKOUT 125 RED
HST ALB230 100/42 (00)	ALB 2 CORES CABLE BREAKOUT 100MM BK	HST AMB 360 140/68 (02)	AMB MEDIUM VOLTAGE 3 CORES CABLE BREAKOUT 140 RED
HST ALB230L 90/60 (00)	ALB 2 CORES CABLE BREAKOUT 90LMM BK	HST AMB 370 170/77 (02)	AMB MEDIUM VOLTAGE 3 CORES CABLE BREAKOUT 170 RED
HST ALB235 110/50 (00)	ALB 2 CORES CABLE BREAKOUT 110MM BK	<b>AAS</b>	
HST ALB240 150/90 (00)	ALB 2 CORES CABLE BREAKOUT 150MM BK	HST AAS 110 35/12 (02)	AAS ANTI-TRACKING RAIN SHEDS 110 RED
HST ALB240L 150/90 (00)	ALB 2 CORES CABLE BREAKOUT 150LMM BK	HST AAS 120 48/20 (02)	AAS ANTI-TRACKING RAIN SHEDS 120 RED
HST ALB310 38/16 (00)	ALB 3 CORES CABLE BREAKOUT 38MM BK	HST AAS 130 60/25 (02)	AAS ANTI-TRACKING RAIN SHEDS 130 RED
HST ALB310L 38/16 (00)	ALB 3 CORES CABLE BREAKOUT 38LMM BK	HST AAS 140 60/30 (02)	AAS ANTI-TRACKING RAIN SHEDS 140 RED
HST ALB320 60/24 (00)	ALB 3 CORES CABLE BREAKOUT 60MM BK	HST AAS 150 75/30 (02)	AAS ANTI-TRACKING RAIN SHEDS 150 RED
HST ALB320L 60/24 (00)	ALB 3 CORES CABLE BREAKOUT 60LMM BK	HST AAS 160 100/35 (02)	AAS ANTI-TRACKING RAIN SHEDS 160 RED
HST ALB325 70/28 (00)	ALB 3 CORES CABLE BREAKOUT 70MM BK	HST AAS 170 120/45 (02)	AAS ANTI-TRACKING RAIN SHEDS 170 RED
HST ALB325L 70/28 (00)	ALB 3 CORES CABLE BREAKOUT 70LMM BK	<b>ASEC</b>	
HST ALB330 80/36 (00)	ALB 3 CORES CABLE BREAKOUT 80MM BK	HST ASEC 105 12/4 (00)	ASEC CABLE END CUP WITH ADHESIVE 105 BK
HST ALB330L 80/36 (00)	ALB 3 CORES CABLE BREAKOUT 80LMM BK	HST ASEC 110 14/5 (00)	ASEC CABLE END CUP WITH ADHESIVE 110 BK
HST ALB340 110/50 (00)	ALB 3 CORES CABLE BREAKOUT 110MM BK	HST ASEC 115 20/6 (00)	ASEC CABLE END CUP WITH ADHESIVE 115 BK
HST ALB350 125/57 (00)	ALB 3 CORES CABLE BREAKOUT 125MM BK	HST ASEC 120 25/8.5 (00)	ASEC CABLE END CUP WITH ADHESIVE 120 BK
HST ALB360 140/70 (00)	ALB 3 CORES CABLE BREAKOUT 140MM BK	HST ASEC 130 35/16 (00)	ASEC CABLE END CUP WITH ADHESIVE 130 BK
HST ALB370 170/77 (00)	ALB 3 CORES CABLE BREAKOUT 170MM BK	HST ASEC 135 40/15 (00)	ASEC CABLE END CUP WITH ADHESIVE 135 BK
HST ALB410 40/15 (00)	ALB 4 CORES CABLE BREAKOUT 40MM BK	HST ASEC 140 55/26 (00)	ASEC CABLE END CUP WITH ADHESIVE 140 BK
HST ALB420 55/21 (00)	ALB 4 CORES CABLE BREAKOUT 55MM BK	HST ASEC 150 75/36 (00)	ASEC CABLE END CUP WITH ADHESIVE 150 BK
HST ALB425 65/26 (00)	ALB 4 CORES CABLE BREAKOUT 65MM BK	HST ASEC 160 100/52 (00)	ASEC CABLE END CUP WITH ADHESIVE 160 BK
HST ALB430 75/26 (00)	ALB 4 CORES CABLE BREAKOUT 75MM BK	HST ASEC 170 120/60 (00)	ASEC CABLE END CUP WITH ADHESIVE 170 BK
HST ALB440 80/32 (00)	ALB 4 CORES CABLE BREAKOUT 80MM BK	HST ASEC 180 145/60 (00)	ASEC CABLE END CUP WITH ADHESIVE 180 BK
HST ALB445 90/32 (00)	ALB 4 CORES CABLE BREAKOUT 90MM BK	HST ASEC 190 160/82 (00)	ASEC CABLE END CUP WITH ADHESIVE 190 BK
HST ALB450 100/45 (00)	ALB 4 CORES CABLE BREAKOUT 100MM BK	HST ASEC 200 200/90 (00)	ASEC CABLE END CUP WITH ADHESIVE 200 BK
HST ALB460 125/52 (00)	ALB 4 CORES CABLE BREAKOUT 125MM BK	HST ASEC 110L 14/5 (00)	ASEC CABLE END CUP WITH ADHESIVE 110L BK
HST ALB470 160/70 (00)	ALB 4 CORES CABLE BREAKOUT 160MM BK	HST ASEC 130L 40/15 (00)	ASEC CABLE END CUP WITH ADHESIVE 130L BK
HST ALB510 40/19 (00)	ALB 4 CORES CABLE BREAKOUT 40MM BK	HST ASEC 140L 55/23 (00)	ASEC CABLE END CUP WITH ADHESIVE 140L BK
HST ALB520 55/24 (00)	ALB 4 CORES CABLE BREAKOUT 55MM BK	HST ASEC 145L 62/23 (00)	ASEC CABLE END CUP WITH ADHESIVE 145L BK
HST ALB530 80/33 (00)	ALB 4 CORES CABLE BREAKOUT 80MM BK	HST ASEC 150L 75/32 (00)	ASEC CABLE END CUP WITH ADHESIVE 150L BK
HST ALB540 100/42 (00)	ALB 4 CORES CABLE BREAKOUT 100MM BK	HST ASEC 150XL 75/36 (00)	ASEC CABLE END CUP WITH ADHESIVE 150XL BK
<b>ACFT</b>		HST ASEC 160L 105/45 (00)	ASEC CABLE END CUP WITH ADHESIVE 160L BK
HST ACFT 100 (45/15-15/5) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 100 BK	<b>ACEC</b>	
HST ACFT 105 (70/40-20/6) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 105 BK	HST ACEC 120 25/8.5 (00)	ACEC CONDUCTIVE CABLE END CUP WITH ADHESIVE 120 BK
HST ACFT 110 (85/42-15/5) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 110 BK	HST ACEC 130 42/15 (00)	ACEC CONDUCTIVE CABLE END CUP WITH ADHESIVE 130 BK
HST ACFT 120 (60/30-45/10) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 120 BK	HST ACEC 140 55/23 (00)	ACEC CONDUCTIVE CABLE END CUP WITH ADHESIVE 140 BK
HST ACFT 130(100/52-20/8) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 130 BK	HST ACEC 145 62/23 (00)	ACEC CONDUCTIVE CABLE END CUP WITH ADHESIVE 145 BK
HST ACFT 130L (100/52-20/8) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 130L BK	HST ACEC 150 75/32 (00)	ACEC CONDUCTIVE CABLE END CUP WITH ADHESIVE 150 BK
HST ACFT 130XL (100/50-20/6) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 130XL BK	HST ACEC 150L 75/36 (00)	ACEC CONDUCTIVE CABLE END CUP WITH ADHESIVE 150L BK
HST ACFT 135 (150/92-14/5) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 135 BK	HST ACEC 160 105/45 (00)	ACEC CONDUCTIVE CABLE END CUP WITH ADHESIVE 160 BK
HST ACFT 140 (160/92-60/20) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 140 BK		
HST ACFT 150(160/92-100/45) (00)	ACFT LOW VOLTAGE SINGLE CORE CABLE BREAKOUT 150 BK		



# Amphe-HST Part Number Guide



## Customer Requests



### Radiation Cross-linking

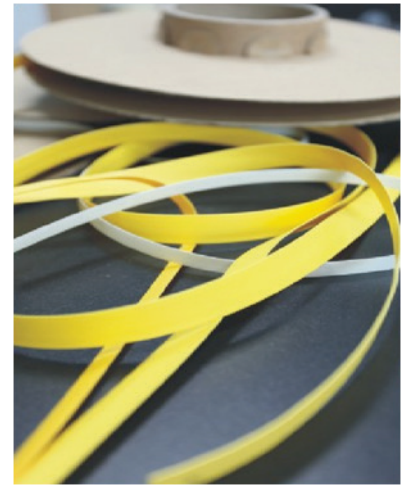
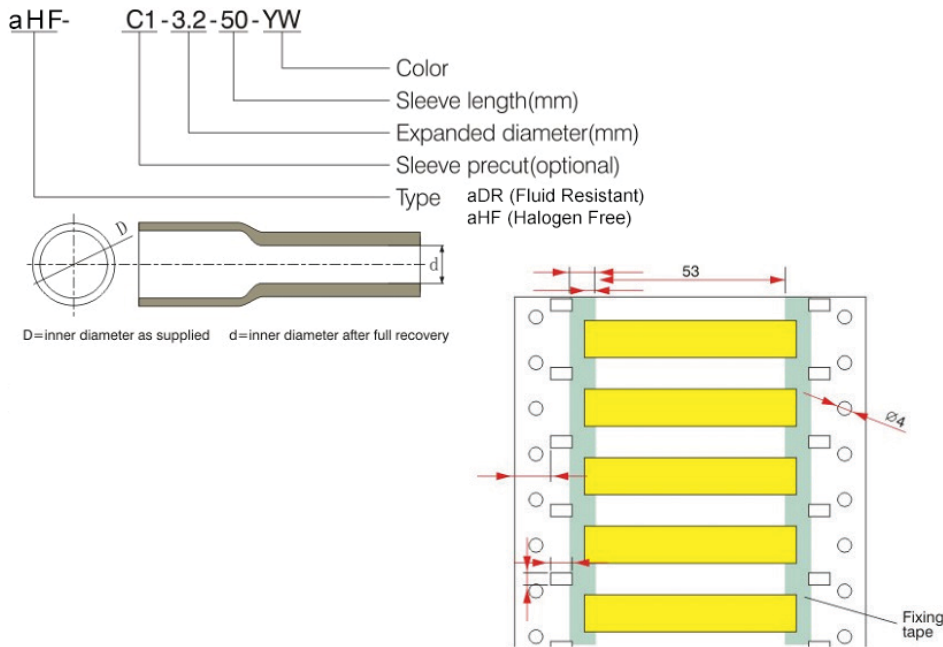
A separate process where it is cross-linked, Usually through radiation. The cross-linking creates a memory in the tube.

### Expansion

Then the tube is heated to just above the polymer's crystalline melting point and expanded in diameter, often by placing it in a vacuum chamber. While in the expanded state it is rapidly cooled.

## Amphe-Mark Sleeves

### How to Order



<b>Precut</b>	Perforated score/block punched to produce multiple marker sleeves from each A-2R 3PT sleeve			
	Standard	Side scored/block punched		
	Number of precut	1 precut	2 precut	3 precut
	Code	C1	C2	C3
<b>Package Sizes</b>	Standard	1000 piece packages available for all aDR and aHF sizes		
	Non-standard	Larger pack sizes are available. Please contact Amphenol Industrial		
<b>Colors</b>	Standard	White		
	Code	WE		
	Non-standard	Yellow	Light Red	Blue
	Code	YW	RD	BE

**Ordering information:** Specify product name, pack size, sleeve size, prescore, format and color.

**Ordering example:** aHF-C1-3.2-50-YW

### Accessories

<b>Printers</b>	Description/Type		Print speed mm/sec/Dpi
	HST-342	Thermo Transfer	76mm/sec 203Dpi, 300Dpi, 600Dpi
HST-A4+	Thermo Transfer	250mm/sec 203Dpi, 300Dpi, 600Dpi	
*Other printers available on request			
<b>Ribbons</b>	Description/Type		Size
	Amphe-Mark Thermal Transfer Ribbon/ Resin based IMR-TT-R+		(30~10)mm x 300m
	Amphe-Mark Thermal Transfer Ribbon/ Resin based IMR-TT-R		(30~10)mm x 300m
	Sony 4070, Ricoh B110C, Armor AxR7+, DNP 12510 ribbons are available on request.		

### Application Equipment

- Heavy Duty Hot-Air Heating Tool
- General Purpose Hot-Air Heating Tool
- Tabletop Tunnel Oven
- Tabletop Belt Heater
- Medium Duty Heating Tool

## Cross References

MARKET		AMPHE-HST	Raychem	Sumitomo	DSG-Canusa	Alpha	3M	LG	
ELECTRONIC	Thin Wall Tubing	A-2(Z)	VERSAFIT V2	F2(Z)	DERAY-H			GSHS-1625G	
		A-2(3X)	VERSAFIT 3X	F2(3X)					
		A-2(CB)	VERSAFIT V4	F3(Z)	DERAY ITW			GSHS-1625GT	
		A-2(HF)	ZHTM	SUMITUBE-NH	CZT 200				
		A-2R	CRN	B8	CHM 140	FIT 295	SR350		
		A-2F	RNF-100/VERSAFIT	B2(Z)	CPX 100/CPX 876/ DERA-1	FIT 221	FP 301(1&2)	GSHS-1635F	
		A-2F(3X)	RNF-3000	B2(3X)	CPX 300/DERAY-1 3000	FIT321V		GSHS-3635	
		A-2F(4X)	RP-4800						
		A-2F(Y/G)	DCPT 2:1	B2(Y/G)	CPX 201	FIT206	GYS	GSHS-1635Y/G	
		A-2F(Y/G) 3:1	DCPT 3:1		DERAY IGY				
		A-2(LS)	LSTT		DERAY LSB				
	A-1	CGPE-105	C	DERAY HB					
	ABG								
	A-150K	RT375/RNF-150	K2				GSHS-1650F		
	A-175K	KYNAR,RW-175	K	CKN-175/DERAY KY175	FIT350	MFP	GSHS-1675		
	ADR	DR-25		DERAY V25					
	A-200E	Viton	FE3	DERAY VT200	FIT650	Viton			
	ATFE	TFE		DERAY PTFE					
	AFSP	SMOUV	FSP-1	CFSP					
	A-5 (3X)	ATUM	W3B2	DERAY IAKT	FIT321	EPS300			
	A-5 (4X)	ATUM	W3B2	DERAY IAKT	FIT321	EPS300			
	A-5(3X)-M	SST							
	ABK	ES-2000/RBK	SA2	CBK	FIT421	EPS4000,SMS	GSHS-4635WS		
	A-5(2000)	AP-2000	O2				GSHS-2690NW		
	A-5(3X)-F	ATUM	W3B2	DERAY IAKT	FIT321	EPS300			
	A-5(4X)-F	ATUM	W3B2	DERAY IAKT	FIT321	EPS300			
	ENERGY	Medium & Heavy Wall Tubing	AR2						
			ARA2	MWTM		CFM		3M™ MW	LG-PMWT
			AR3						
			ARA3	WCSM/XCSM		CFW	FIT700		LG-PMWT
			ARA-6X	HRNF	SCH (6X)	CFHR	FIT621		
			AFRA2			FCFM			
AFRA3			BSTSFR/SSTFR		FCFW		HDT		
ARS					PLA				
ASTV			TCS2		CFTV		CCT	LG-CATV	
ARTH			WCSM						
ARTM			MWTM						
AOT		OBT							
AGT									
ADWT		CICM		HVDW					
ASC-360		SCTM							
ASC-100		JSCR	SCR-100	CSCR					
ASCT			SCR-100	HSCT					
ABIT		HVBT							
ABTM									
ABTH		BBIT		CBTM		BBI			
AAT									
ABT		BBIT		CBTM		BBI	LG-BBHV		
ACB				CCB-CON					
ALB		302K/402W/502S/502K/502R		CCB			LG-BBHV		
ACFT									
AMR									
AMB				CCBA					
AAS									
ASEC		SSC/ESC		CEC		SKE			
ACEC									



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