



HS 105°C

Heat Shrinkable PVC Tubing



Product Description

Grayline HS 105°C is a flexible polyvinyl chloride heat shrinkable tubing recommended for applications requiring a tight fitting covering. Typical uses include harness bundling, terminal and splice insulation, component covering, wire markers and color coding.

Standard Packaging: Reels or Cut to Customer Specifications.

Standard Color: Black, Clear, Natural

Custom Sizes, Expansion Ratios & Colors Available Upon Request

Grayline HS 105°C is heat sensitive and must be stored below 90°F (32°C) away from direct sunlight.

Specifications

- UL: 105°C, 600V, VW-1 (File #E40745)
 - CSA: 105°C, 600V, VW-1 (File #31347)
 - EU Directive 2000/53/EC (ELV)
 - EU Directive 2011/65/EU (RoHS2)
 - EU Directive 2015/863 (RoHS3)
 - Meets most requirements of SAE-AMS-I-23053/2, Class 2 ¹.
- Note: MIL-I-23053/2 has been replaced by SAE-AMS-I-23053/2.

Features

- Operating Temperature is -30°C to 105°C
- 2:1 Shrink Ratio
- Controlled Longitudinal Shrinkage (approximately 10%)
- Quick Shrinkability
- Outstanding Flame & Chemical Resistance
- Heavy Wall Options Available
- Lead-Free

Standard Sizes

NOMINAL SIZE	EXPANDED INSIDE DIAMETER (MINIMUM)	RECOVERED INSIDE DIAMETER (MAXIMUM)	RECOVERED WALL THICKNESS ²	STANDARD REEL QUANTITY (FEET ³)
3/32	0.093"	0.046"	.025"	1,000
1/8	0.125"	0.062"	.025", .031" or .040"	1,000
5/32	0.156"	0.078"	.025" or .031"	1,000
3/16	0.187"	0.093"	.025" or .031"	1,500
3/16	0.187"	0.093"	.040" or .050"	1,000
1/4	0.250"	0.125"	.025", .031", or .040"	1,000
5/16	0.312"	0.156"	.025" or .031"	750
5/16	0.312"	0.156"	.040" or .062"	500
3/8	0.375"	0.187"	.025" or .031"	500
1/2	0.500"	0.250"	.025" or .031"	375
5/8	0.625"	0.312"	.031"	375
3/4	0.750"	0.375"	.035"	250
1	1.000"	0.500"	.040"	175
1-1/4	1.250"	0.625"	.040"	125
1-1/2	1.500"	0.750"	.045"	100
2 ⁴	2.000"	1.000"	.050"	75

¹ See Grayline Datasheet DSH-24, "HS105C vs SAE-AMS-I-23053-2" for details.

² Other heavy wall options available. Consult your Grayline representative.

³ Reels may have up to 2 splices

⁴ Non-UL version only

Recommended heat shrinking method: 150°C for three minutes in a circulating air oven.

The values listed in this bulletin, to the best of our knowledge, are accurate. They are typical performance results and are not intended to be used as design data. We disclaim all liability in connection with the use of information contained herein or otherwise.