



A division of CSA Technical Solutions, LLC
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PVC Heat shrink

PVC heat shrink tubing is very similar to Polyolefin shrink tubing in several ways - PVC and Polyolefin can both be applied and shrunk in various conventional ways such that with a little training, just about anyone can use them. Shrink temperatures are low enough that no special equipment other than a basic heat gun, or flameless torch can be used. Both materials are highly resistant to common automotive, marine and aerospace fuels, as well as many household, and electrician/installers' cleaning fluids. Like polyolefin, PVC heat shrink tubing is suitable for low to medium voltage applications.

The major differences are in the areas of weatherability, toughness and appearance. Unlike polyolefin, any color PVC heat shrink can be used outdoors with little to no UV degradation seen over long periods of time. In the case of polyolefin heat shrink, it is highly recommended that only black be used outdoors. PVC has a much glossier appearance, and is also tougher, stiffer and much more scratch resistant than polyolefin. Run your fingernail across both - you'll see.

The final differences are: PVC has a lower shrink (and use) temperature than standard polyolefin heat shrink, and Lastly - PVC clear shrink tubing is water clear. Although polyolefin clear is see-through and you can read a label through it, PVC heat shrink is crystal clear.

Features:

- 2:1 Shrink Ratio (shrinks to ½ its original diameter)
- Meets requirements of SAE AMS-DTL-23053/2 (formerly MIL-I-23053/2, MIL-DTL-23053/2), Class 1, 2 (Clear)
- UL 224 VW-1 and CSA OFT recognized
- Maximum Continuous use temperature of 105°C
- 6 standard colors: Black, Red, White, Blue, Yellow, and Clear
- Shrink Temperature of 100°C and operating temperature of -55°C to + 105°C
- Crosseto: Sumitomo V, Insultab HS-105, Grayline HS105, Alpha FIT-105, 3M FP301 heat shrink, Canusa CVN-105
- Typical applications include: Insulation, Wire Identification, Wire Bundling, Mechanical Protection, Color Coding, Lightweight Harnessing, Physical/Electrical Protection of Components, Strain Relief, and Solder Insulation

PLEASE READ THIS BEFORE ORDERING PVC: During the late spring, summer and early fall months (April through October), we are holding back ALL PVC shipments if the temperature is expected to be 75° or above, unless they are shipped by Air (UPS Red). If you want us to ship the PVC anyway, we will need your written authorization to do so. There could be up to a 2 week lead time for PVC. Also, we do not accept returns on PVC Heat Shrink Tubing for any reason except if we make a mistake**

Dimensions

Part Number	Diameter	Mil Specifications	ID Before Shrink	ID After Shrink	Minimum Wall Thickness
HSPVC-0047	3/64"	AMS-DTL-23053201	0.046	0.022	0.02
HSPVC-0063	1/16"	AMS-DTL-23053202	0.063	0.031	0.02
HSPVC-0094	3/32"	AMS-DTL-23053203	0.093	0.046	0.025
HSPVC-0125	1/8"	AMS-DTL-23053204	0.125	0.062	0.025
HSPVC-0188	3/16"	AMS-DTL-23053205	0.188	0.093	0.025
HSPVC-025	1/4"	AMS-DTL-23053206	0.25	0.125	0.025
HSPVC-0375	3/8"	AMS-DTL-23053207	0.375	0.187	0.028
HSPVC-050	1/2"	AMS-DTL-23053208	0.5	0.25	0.028
HSPVC-075	3/4"	AMS-DTL-23053209	0.75	0.37	0.033
HSPVC-100	1"	AMS-DTL-23053210	1	0.5	0.038
HSPVC-125	1-1/4"	AMS-DTL-23053N/A	1.25	0.63	0.041
HSPVC-150	1-1/2"	AMS-DTL-23053211	1.5	0.75	0.043
HSPVC-200	2"	AMS-DTL-23053212	2	1	0.048
HSPVC-300	3"	AMS-DTL-23053213	3	1.5	0.068
HSPVC-400	4"	AMS-DTL-23053214	4	2	0.073