

SHRINK RATIO 3:1,4:1

BH-5(3X,4X)-F heat-shrinkable tubing is manufactured by co-Extrusion of polyolefin and hot-melt adhesive. Designed to provide both insulation and sealing for protected articles. Typical applications are environment sealing of electrical components such as wire splices and harness in automobile and communication industry.



- Approvals:  125°C VW-1 600V
- Meet SAE-AMS-DTL-23053/5 Class 1&3
- Material: Meet Standard of Sony-SS-00259,RoHS
- Operating temperature: -55°C~+125°C
- Minimum shrink temperature: 100°C
- Standard color: Black

Property	Test Method	Typical Data	Normal size		As supplied	After recovered (mm)			Standard length (m)	Spool length (m)
			(mm)	(inch)	Inside diameter (min.)	Inside diameter (Max.)	Wall thickness (Nom.)	Adhesive Thickness (Nom.)		
Tensile strength	ASTM D 2671	10.4MPa (min.)								
Tensile strength after aging(158°C, 168hrs)	ASTM D 2671	Remains 70%								
Elongation at break	ASTM D 2671	300% (min.)	BH-5(3X)-F 3:1 Adhesive-lined tubing							
Elongation at break after aging 158°C, 168hrs.	ASTM D 2671	150% (min.)	3/1	1/8	3	0.6	1.00±0.10	0.5	1.22	200
			4.8/1.5	3/16	4.8	1.5	1.00±0.10	0.5	1.22	100
Longitudinal shrinkage	UL 224	0 to -10%	6/2	1/4	6	2	1.00±0.10	0.5	1.22	100
			9/3	3/8	9	3	1.40±0.10	0.6	1.22	50
Heat shock	250°C, 4hrs.	No cracking, no dropping	12/4	1/2	12	4	1.80±0.15	0.7	1.22	25
			19/6	3/4	19	6	2.25±0.20	0.8	1.22	25
Cold bend -30°C, 1hr.	ASTM D 2671	No cracking	24/8	1	24	8	2.54±0.20	1.0	1.22	25
Voltage withstand AC 2500V, 60 seconds	ASTM D 2671	No breakdown	40/13	1 1/2	40	13	2.54±.20	1.0	1.22	25
Volume resistance	ASTM D 876	10 ¹⁴ Ω.cm(min.)	BH-5(4X)-F 4:1 Adhesive-lined tubing							
Flammability	SAE-AMS-DTL -23053/5	Self-extinguish in 30 sec.	4/1	3/16	4	1	1.00±0.10	0.5	1.22	100
			8/2	5/16	8	2	1.00±0.10	0.5	1.22	50
Copper corrosion 158°C, 168hrs.	UL 224	Pass	12/3	1/2	12	3	1.40±0.15	0.6	1.22	25
			16/4	5/8	16	4	1.80±.15	0.7	1.22	25
Water absorption	ASTM D 570	<0.5%	24/6	1	24	6	2.25±0.20	0.8	1.22	25
Adhesive to aluminum	ASTM D 2671	60N/25mm	32/8	1 1/4	32	8	2.54±0.20	1.0	1.22	25
Fluid resistance	Tensile strength 7MPA(Min.) Elongation: 300%(Min)	24hrs at 23°C in diesel and lubricating oil	52/13	2	52	13	2.54±0.20	1.0	1.22	-
			Special size, cut pieces are available on request.							