



# HRA-6X

Heavy Wall Tubing with Hot Melting Adhesive



**Features:**

- Extra high shrink ratio crosslinked polyolefin
- Adhesive lined
- Perfect sealing property
- Superior abrasion and impact resistance
- Extra thick wall
- UV and weather resistance
- Operating temp.: -55°C to +110°C
- Min. full recovery temp.: 120°C
- Shrink ratio: 6:1

**Dimensions:**

Size (mm)	As supplied (mm)		After recovered (mm)		Standard length
	D*(Min.)	d*(Max.)	w*(Min.)		
HRA-6X 19/3.2	19.0	3.2	3.2		1000-1220mm
HRA-6X 33/5.5	33.0	5.5	3.4		1000-1220mm
HRA-6X 44.4/7.4	44.4	7.4	3.6		1000-1220mm
HRA-6X 50.8/8.3	50.8	8.3	4.3		1000-1220mm
HRA-6X 69.8/11.7	69.8	11.7	4.8		1000-1220mm
HRA-6X 88.9/17.1	88.9	17.1	4.8		1000-1220mm
HRA-6X 119.4/22.9	119.4	22.9	4.8		1000-1220mm
HRA-6X 235/40	235.0	40.0	4.8		1000-1220mm

D\* = Inner diameter as supplied    d\* = Inner diameter after recovered    w\* = Wall thickness after fully recovered

**Technical properties:**

Property	Test Method	Typical Data
<b>Property of jacket</b>		
Tensile strength	ASTM D 2671	≥14 Mpa
Ultimate elongation	ASTM D 2671	≥400%
Heat aging		
Tensile strength	ASTM D 2671/150°C, 168 hrs.	> 12 MPa
Ultimate elongation		>300%
Density	ASTM D 792	1.05g/cm <sup>3</sup>
Longitudinal shrinkage	UL 224	0 to -10%
Dielectric strength	IEC 243	≥18kV/mm
Volume resistance	IEC 93	≥10 <sup>13</sup> Ω.cm
Copper stability	ASTM D 2671	Pass
Water absorption	ISO 62/23°C, 14days	<0.15%
<b>Property of adhesive</b>		
Water absorption	ISO 62	<0.2%
Softening point	ASTM E28	85±5°C
Peel strength (PE)	DIN 30672	4 N/cm
Resistance to fungus and decay	ISO 846	Pass

**Ordering information:**

**Standard colors:**

Black

**Special colors:**

N/A

**Packaging:**

Standard packaging on 1m, 1.22m, 1.5m pieces are available on request  
Other: Other cut lengths are available, please contact our sales department.