

# HDR Special Products

## Diesel resistant elastomeric tubing



### Shelf life & storage:

Heat Shrink Product provided by Hongshang has a over 5 year's shelf life from date of manufacture when stored in a humidity controlled storage(-10°C to 40°C and < 75% relative humidity).

### Ordering information:

Standard colors:  
Black.

### Applications:

Made from modified radiation crosslinked elastomers, has superior diesel, chemical and abrasion resistance. The specially designed formulation provides the tubing with high temperature fluid resistant and long term heating resistant and effective protection to cable termination, splices and joint used in military vehicles.

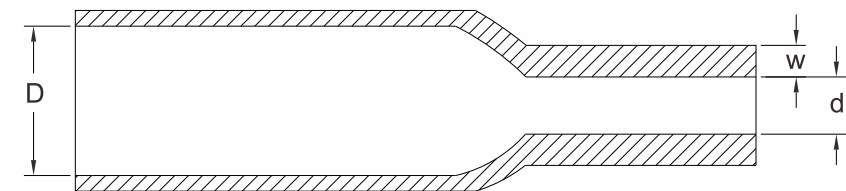
### Features:

Operating temp.: -55°C to 150°C	Voltage rating: 600V
Flexible	Flame retardant
Shrink ratio 2:1	Min. full recovery temp.: 175°C
RoHS compliant	SAE-AMS-DTL 23053/16 compliant

### Typical technical performances:

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 2671	11.7MPa minimum
Ultimate elongation	ASTM D 2671	250% minimum
Tensile strength after Aging at 150°C for 168hrs	UL 224	10.3MPa Minimum
Ultimate elongation after Aging at 150°C for 168hrs	UL 224	200% minimum
Heat shock at 200°C/4hrs	ASTM D 2671	No cracking & dripping
Dielectric strength	ASTM D 2671	11.9kV/mm minimum
Volume resistance	ASTM D 2671	10 <sup>9</sup> Ω.cm minimum
Cold bend at -30°C for 1hr	ASTM D 2671	No cracking
Flammability	ASTM D 2671 Proc.B	Self extinguising in 60sec.
Fluid resistance Tensile strength Ultimate elongation	ASTM D 2671, diesel fuel 70°C/24hrs	10.4MPa minimum 200% minimum

### Dimensions:



Size (Inch)	As supplied (mm)	After recovered (mm)	
	D*(Min.)	d*(Max.)	w*(Min.)
1/8	3.2	1.6	0.73
3/16	4.8	2.4	0.80
1/4	6.4	3.2	0.85
3/8	9.5	4.8	0.97
1/2	12.7	6.4	1.16
3/4	19.1	9.5	1.37
1	25.4	12.7	1.70
1 1/2	38.1	19.1	2.25

D\* = Inner diameter as supplied

d\* = Inner diameter after fully recovered

w\* = Wall thickness after fully recovered

- H-2(Z)  
Thin Wall Tubing
- H-2(3X)  
Thin Wall Tubing
- H-2F  
Thin Wall Tubing
- H-2F(3X/4X)  
Thin Wall Tubing
- H-2F(YG)(2X/3X)  
Thin Wall Tubing
- H-2HF  
Thin Wall Tubing
- H-1  
Thin Wall Tubing
- HBG  
Thin Wall Tubing
- H-5(3X/4X)  
Dual Wall Tubing
- H-5(3X/4X)-F  
Dual Wall Tubing
- HBK  
Dual Wall Tubing
- HBK-CAP  
Dual Wall Tubing
- HSA-3000  
Dual Wall Tubing
- H-5(2000)  
Dual Wall Tubing
- H-150K  
Special Products
- H-175K  
Special Products
- HDR**  
Special Products
- H-200E  
Special Products
- HTFE  
Special Products
- HFSP  
Special Product
- HBGS  
Special Products
- MINI-BOX  
Special Products