

# Q2-HF

RoHS  
Compliant

LOW SMOKE, HALOGEN FREE,  
FLAME RETARDANT, HEAT SHRINKABLE TUBING  
SHRINK RATIO 2:1

## Features/Applications

As a kind of totally environmental friendly heat-shrinkable tube, it is made with specially designed halogen free polyolefin. It produces neither toxic smoke nor harmful substance when burning, which meets the growing demand of environmental protection all over the world. In addition to the common fine physical and chemical specifications the tube also shows excellent flame-retardant, insulation, low temperature shrinking and flexible properties and thus is widely used in electronics, communication and the auto industry.

- Operating temperature: -55°C to +105°C
- Minimum shrink temperature: 70°C
- Full recovery temperature: 100°C
- Meets: SAE-AMS-DTL-23053/5
- Standard colors: Black, white
- Other colors are available upon request.
- RoHS Compliant



## Technical Data

Property	Test Method	Typical Data
Operating Temperature	IEC 216	-55°C to +105°C
Tensile Strength	ASTM D 2671	>10.4 MPa
Elongation at Break	ASTM D 2671	>200%
Longitudinal Shrinkage	UL 224	± 5%
Eccentricity	ASTM D 2671	≤ 30%
Heat Shock	250°C, 4hrs.	No cracking
Heat Aging Ultimate Elongation Tensile Strength	136°C, 168hrs.	> 150% 9.0 MPa
Flammability	SAE-AMS-DTL-23053/5	Pass

## Product Dimensions

Size (mm)	As Supplied (mm)	After Recovered (mm)		Standard Spool *(SS) (Meter)
	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	
1.0	1.0	0.50	0.33	200
1.5	1.5	0.75	0.36	200
2.0	2.0	1.00	0.44	200
2.5	2.5	1.25	0.44	200
3.0	3.0	1.50	0.44	200
3.5	3.5	1.75	0.44	200
4.0	4.0	2.00	0.44	200
5.0	5.0	2.50	0.56	100
6.0	6.0	3.00	0.56	100
7.0	7.0	3.50	0.56	100
8.0	8.0	4.00	0.56	100
9.0	9.0	4.50	0.56	100
10	10.0	5.00	0.56	100
11	11.0	5.50	0.56	100
12	12.0	6.00	0.56	50
13	13.0	6.50	0.65	50
14	14.0	7.00	0.69	50

## Product Dimensions

Size (mm)	As Supplied (mm)	After Recovered (mm)		Standard Spool *(SS) (Meter)
	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	
15	15.0	7.50	0.69	50
16	16.0	8.00	0.69	50
18	18.0	9.00	0.80	50
20	20.0	10.00	0.80	50
22	22.0	11.00	0.80	50
25	25.0	12.50	0.90	50
28	28.0	14.00	0.90	50
30	30.0	15.00	0.90	50
35	35.0	17.50	0.90	50
40	40.0	20.00	1.00	50
50	50.0	25.00	1.00	50
60	60.0	30.00	1.00	30
70	70.0	35.00	1.20	30
80	80.0	40.00	1.20	30
100	100.0	50.00	1.30	30
125	125.0	60.00	1.30	15
150	150.0	75.00	1.30	15

### Notes:

1. \* See Part Number Guide for standard packaging codes.
2. Special sizes, packaging, colors and cut pieces are available upon request.