

# Q2-XT, Q2-XT(HF)

RoHS  
Compliant

NON-SHRINK, IRRADIATED FLEXIBLE  
FLAME RETARDANT POLYOLEFIN TUBING  
NO PBB's, PBBO's, PBBE's

## Features/Applications

Q2-XT tubing is made from radiation cross linked flame retardant polyolefin. Designed to provide mechanical protection and insulation for harnesses used in automobile and electronic facilities. The environment friendly formulation makes the tubing free from harmful heavy metal and PBB's, PBBO's and PBBE's that are suspected to be harmful to human beings and the environment.

- Q2-XT: Flame Retardant
- Q2-XT(HF): Halogen Free Flame Retardant
- Operating temperature: -55°C to +125°C
- Approval:  242540
- Meets: UL 224, 125°C, VW-1, 600V
- Standard color: Black
- Other colors are available upon request.
- RoHS Compliant



## Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	≥ 10.4 MPa
Tensile Strength After Aging	ASTM D 2671	Remains 70%
Elongation at Break	ASTM D 2671	200%
Elongation at Break After Aging	ASTM D 2671	100%
Heat Shock (250°C, 4hrs.)	ASTM D 2671	No cracking or dropping
Cold Bend (-30°C, 1hr.)	ASTM D 2671	No cracking
Voltage Withstand (AC 2500V, 60 seconds)	ASTM D 876	≥ 34kV / mm
Volume Resistance	ASTM D 876	≥ 10 <sup>14</sup> Ω.cm
Flammability	UL 224, VW-1	Pass
Copper Stability (158°C, 168hrs.)	UL 224	No corrosion
Water Absorption	ASTM D 570	0.5%

## Product Dimensions

Size AWG / Inch	Inside Diameter (mm)	Wall Thickness (mm)	Standard Spool (SS) (Meter)
18	1.00 ± 0.10	0.40 ± 0.06	400
16	1.30 ± 0.10	0.40 ± 0.06	400
14	1.65 ± 0.10	0.40 ± 0.06	400
12	2.10 ± 0.15	0.40 ± 0.06	400
10	2.60 ± 0.15	0.50 ± 0.06	400
8	3.30 ± 0.15	0.50 ± 0.06	400
6	4.10 ± 0.20	0.50 ± 0.06	200
4	5.20 ± 0.20	0.50 ± 0.06	200
2	6.50 ± 0.20	0.50 ± 0.06	100
0	8.30 ± 0.30	0.50 ± 0.06	100
3/8"	9.50 ± 0.40	0.50 ± 0.06	100
7/16"	11.10 ± 0.40	0.50 ± 0.06	100
1/2"	12.70 ± 0.40	0.50 ± 0.06	100

### Notes:

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