

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