

## Q-200E

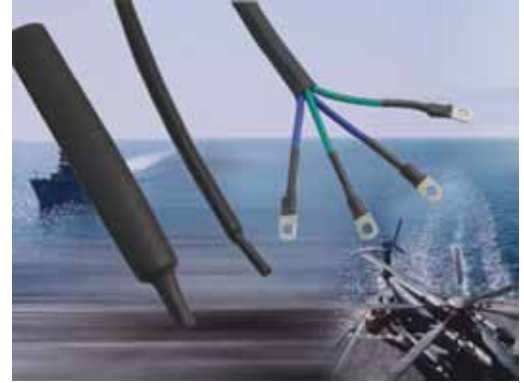


**200°C, VERY FLEXIBLE  
MODIFIED FLUOROELASTOMER TUBING (Viton®)  
SHRINK RATIO 2:1**

### Features/Applications

Q-200E is made from modified fluoroelastomer with superior impact, abrasion and cut-through resistance. Used for applications requiring high resistance to corrosive fluids, fuels, lubricants, acids and solvents at elevated temperatures. Very flexible at high and low temperatures without cracking.

- Operating temperature: -55°C to +200°C
- Minimum shrink temperature: 150°C
- Full recovery temperature: 175°C
- Approval: UL VW-1, File No. E245010
- Meets: SAE-AMS-DTL-23053/13
- Standard Color: Black
- RoHS Compliant



### Technical Data

| Property                        | Test Method     | Typical Data               |
|---------------------------------|-----------------|----------------------------|
| Operating Temperature           | IEC 216         | -55°C to +200°C            |
| Tensile Strength                | ASTM D 2671     | ≥ 8.5 MPa                  |
| Elongation at Break             | ASTM D 2671     | ≥ 250%                     |
| Elongation at Break After Aging | 250°C, 168 hrs. | > 8MPa<br>> 200%           |
| Heat Shock                      | 300°C, 4 hrs.   | No cracking or dropping    |
| Flexibility                     | ASTM D 412      | ≤ 13.8 MPa                 |
| Dielectric Strength             | ASTM D 2671     | ≥ 7.9kV / mm               |
| Volume Resistance               | ASTM D 876      | ≥ 10 <sup>14</sup> Ω.cm    |
| Copper Corrosion                | UL 224          | No corrosion               |
| Flammability                    | ASTM D 2671     | Self-extinguish in 15 sec. |

### Product Dimensions

| Size  |      | As Supplied (mm)       | After Recovered (mm)   |                       | Tubing Shape | Standard Packaging           |   |     |
|-------|------|------------------------|------------------------|-----------------------|--------------|------------------------------|---|-----|
| Inch  | mm   | Inside Diameter (min.) | Inside Diameter (max.) | Wall Thickness (min.) |              | Standard Spool *(SS) (Meter) | Cut to Length Pcs. *(QB)<br>Qty per bag |     |
|       |      |                        |                        |                       |              |                              | 6"                                      | 48" |
| 1/8   | 3.2  | 3.2                    | 1.6                    | 0.76                  | Round        | 50                           | 20                                      | 25  |
| 3/16  | 4.8  | 4.8                    | 2.4                    | 0.90                  | Round        | 50                           | 16                                      | 25  |
| 1/4   | 6.4  | 6.4                    | 3.2                    | 0.90                  | Round        | 50                           | 12                                      | 25  |
| 3/8   | 9.5  | 9.5                    | 4.8                    | 0.90                  | Round        | 50                           | 8                                       | 25  |
| 1/2   | 12.7 | 12.7                   | 6.4                    | 1.10                  | Round        | 30                           | 4                                       | 5   |
| 3/4   | 19.1 | 19.1                   | 9.5                    | 1.30                  | Round        | 30                           | 2                                       | 5   |
| 1     | 25.4 | 25.4                   | 12.7                   | 1.65                  | Flat         | 30                           | 1                                       | 5   |
| 1 1/2 | 38.1 | 38.1                   | 19.1                   | 1.90                  | Flat         | 15                           | 1                                       | 5   |
| 2     | 50.8 | 50.8                   | 25.4                   | 2.80                  | Flat         | 15                           | 1                                       | 5   |

- Notes:
1. \* See page 13 - Part Number Guide for standard packaging codes.
  2. Cross Reference Guide located on page 3.
  3. Special sizes, packaging, colors and cut pieces are available upon request.
  4. Viton® is a registered trademark of E.I. Du Pont de Nemours and Co. Inc.