



Lab-Flex® Q Family Cable Specifications

| General Specifications | Lab-Flex 160Q | Lab-Flex 190Q | Lab-Flex 200Q | Lab-Flex 290Q |
|------------------------|---------------|---------------|---------------|---------------|
| Diameter | 0.160 | 0.190 | 0.208 | 0.290 |
| Frequency, Max(GHz) | 40 | 32 | 18 | 18 |

| Electrical Specifications | Lab-Flex 160Q | Lab-Flex 190Q | Lab-Flex 200Q | Lab-Flex Q |
|---|---------------|---------------|---------------|------------|
| Impedance, Nominal (Ω) | 50 | 50 | 50 | 50 |
| Velocity of Propagation (%) | 78 | 80 | 78 | 84 |
| Shielding Effectiveness, 18 GHz (dB/ft) | >90 | >90 | >90 | >90 |
| Capacitance (pF/ft) | 26 | 25 | 26 | 24 |
| Delay (ns/ft) | 1.30 | 1.27 | 1.30 | 1.21 |

| Mechanical Specifications | Lab-Flex 160Q | Lab-Flex 190Q | Lab-Flex 200Q | Lab-Flex 290Q |
|--|---------------|---------------|---------------|---------------|
| Weight (lbs/100ft) | 3 | 3.3 | 4.9 | 7.5 |
| Temperature Range ($^{\circ}\text{C}$) | -50 to +150 | -50 to +150 | -50 to +150 | -50 to +150 |
| Minimum Bend Radius (inches) | 0.52 | 0.95 | 1 | 1.6 |

| Construction Data | Lab-Flex 160Q | Lab-Flex 190Q | Lab-Flex 200Q | Lab-Flex 290Q |
|---------------------|----------------|----------------|----------------|----------------|
| Inner Conductor | Solid SC | Solid SC | Solid SC | Solid SC |
| Dielectric | Expanded PTFE | Expanded PTFE | Expanded PTFE | Expanded PTFE |
| First Outer Shield | Flat Braid SC | Flat Braid SC | Flat Braid SC | Flat Braid SC |
| Second Outer Shield | Metalized Tape | Metalized Tape | Metalized Tape | Metalized Tape |
| Third Outer Shield | Round Braid SC | Round Braid SC | Round Braid SC | Round Braid SC |
| Jacket | ETFE | ETFE | ETFE | ETFE |