

ULTRA LOW LOSS 50 OHM CABLES

5-3-18

| | | | | | | | | | |
|---------------------|--------|---------|--------|--------|--------|--------|-------|-------|-------|
| Cable Type | 290 | 290H | 335i & | D218 & | 190 | 191 | 191S | 1501 | 160 |
| Size (inch) | 0.300 | 0.301 | 0.300 | 0.295 | 0.190 | 0.205 | 0.205 | 0.150 | 0.140 |
| CC dia. (inch) | | | | | | | | | |
| Dielectric | EPTFE | LDTFE | EPTFE | EPTFE | EPTFE | EPTFE | EPTFE | EPTFE | EPTFE |
| Shield (number) | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 |
| Jacket Color | Blue | Blue | Grn | Gray | Blue | Vio | Blue | Yel | Gray |
| Capacity (pF/ft) | 24.0 | 24.6 | 25.0 | 24.0 | 24.0 | 26.7 | 26.7 | 24.0 | 24.0 |
| Time Delay (ns/ft) | 1.2 | 1.22 | 1.2 | 1.2 | 1.2 | 1.34 | 1.34 | 1.2 | 1.2 |
| Velocity (%) | 84.0 | 83.0 | 82.0 | 83.0 | 84.0 | 76.5 | 76.5 | 84.0 | 84.0 |
| Cut-off Freq. (GHz) | 19.5 | 18.96 | 18.0 | 18.0 | 32.0 | 28.0 | 28.0 | 45.0 | 52.0 |
| Weight (lbs/100ft) | 7.8 | 9.2 | 7.6 | 8.6 | 3.7 | 5.0 | 5.0 | 2.2 | 1.9 |
| Min Ben R (inch) | 1.75 | 1.50 | 1.50 | 0.90 | 1.00 | 1.10 | 1.10 | 0.75 | 0.75 |
| Temp Range | A | B | A | A | A | A | A | A | A |
| K1 (MHz) | 0.1319 | 0.13896 | 0.1410 | 0.1760 | 0.2609 | 0.2609 | | | |
| K2 (MHz) | .00013 | .00013 | .00018 | .00022 | .00018 | .00018 | | | |
| DB/100ft | | | | | | | | | |
| 2 GHz | 6 | 6.5 | 7.3 | 8.3 | 11 | 11 | 13.1 | 15 | 19 |
| 4 GHz | 9 | 9.3 | 10.6 | 12.0 | 16 | 16 | 19 | 22 | 25 |
| 6 GHz | 11 | 11.6 | 11.9 | 15.0 | 20 | 20 | 23.4 | 28 | 30 |
| 8 GHz | 13 | 13.5 | 15.2 | 17.5 | 24 | 24 | 28 | 31 | 37 |
| 10 GHz | 15 | 15.2 | 15.8 | 19.8 | 27 | 27 | 31.2 | 37 | 40 |
| 12 GHz | 16 | 16.8 | 17.5 | 21.9 | 30 | 30 | 34.2 | 39 | 44 |
| 14 GHz | 17 | 18.3 | 19.8 | 23.9 | 32 | 32 | 37 | 42 | 48 |
| 16 GHz | 19 | 19.7 | 21.9 | 25.8 | 35 | 35 | 40 | 47 | 51 |
| 18 GHz | 20 | 21.0 | 24.0 | 27.6 | 38 | 38 | 43 | 49 | 55 |
| 20 GHz | | | | | 40 | 40 | 44.2 | 54 | 59 |
| 22 GHz | | | | | 42 | 42 | 47 | 55 | 62 |
| 24 GHz | | | | | 44 | 44 | 48 | 57 | 65 |
| 26 GHz | | | | | 46 | 46 | 50 | 60 | 67 |
| 28 GHz | | | | | 49 | 49 | 52.5 | 62 | 70 |
| 30 GHz | | | | | 51 | | | 65 | 73 |
| 32 GHz | | | | | | | | 67 | 76 |
| 34 GHz | | | | | | | | 69 | 78 |
| 36 GHz | | | | | | | | 72 | 80 |
| 38 GHz | | | | | | | | 74 | 83 |
| 40 GHz | | | | | | | | 77 | 86 |
| 50 GHz | | | | | | | | | 97 |

S Suffix = stranded center conductor for flexibility. A = -65 to +200 deg C. B = -55 to +150 deg C. & = Typ. Loss
 Connector Loss is Typ. = 0.05 x SQRT (F(GHZ)) per connector. We recommend 10% allowance for measurement error. Contact the factory for details.