



| Part Number | | Item Number | |
|---------------------------------|-----------------------|-------------------------------------|-----------------------|
| V25220FD | | 2.5C-2V Coaxial Cable Double Shield | |
| Conductor | | Insulation | |
| Composition (No./M) | 1/0.4 ± 0.008 mm | Material | Gas Injected FoamPE |
| Material | Bare Copper | Thickness | 0.73 ± 0.05 |
| Outside Diameter (mm) | 0.40 | Nominal Diameter (mm) | 1.95 ± 0.2 (2.30) |
| AWG (Solid) | 26 | | |
| Outer Shield | | Inner Shield | |
| Material | Bare Copper | Material | Bare Copper |
| Construction | 16/6/0.102 ± 0.008 mm | Construction | 16/6/0.100 ± 0.008 mm |
| picks/inches | 12 | picks/inches | 14 |
| Coverage | >92% | Coverage | >97% |
| Jacket/Sheath | | Nominal Capacity | |
| Material | PVC | pf/Ft | 16.8 ± 3 |
| Diameter | 4.0 ± 0.2 | pf/m | 55 ± 3 |
| Color | Black | - | - |
| Nominal Velocity of Propagation | | Nom. Impedance | |
| 82.00% | | 75 ± 3 | |
| | | | |
| Nominal Attenuation | | | |
| Frequency (MHz) | dB/100' | | dB/100m |
| 1 | 0.56 | | 1.85 |
| 10 | 1.60 | | 5.02 |
| 50 | 3.59 | | 11.80 |
| 100 | 5.18 | | 17.00 |
| 200 | 7.47 | | 24.50 |
| 400 | 10.79 | | 35.40 |

| | | |
|----------------------------------|---------------|-----------------------|
| 700 | 14.73 | 48.30 |
| 900 | 16.92 | 55.50 |
| 1000 | 17.99 | 59.00 |
| Electrical Properties | | |
| Conductor Resistance | $\Omega/100M$ | 11.2 |
| Dielectric Resistance | $M\Omega/M$ | Min 5000 |
| Spark Test | V AC | 1750 |
| Jacket Spark Test | V AC | 1750 |
| Dielectric Withstand Test | V AC | 1500 (at least 2 sec) |
| Impedance | Ω | 75 ± 3 |
| Capacitance | $\mu F/m$ | 59 ± 3 |
| VOP (1 MHz - 1000 MHz) | % | 83 at 1 GHz |
| VSWR (MHz) | % | 1.095 at 1 GHz |

| | | | |
|--------------------------|--------|-----|------|
| Physical Property | | | |
| Tensile Strength | Unaged | Psi | 1170 |
| | Aged | | |