



### MECHANICAL DATA

### DIMENSIONS

|   |   |             |                      |
|---|---|-------------|----------------------|
| A | Silvered copper inner conductor   | CA          | ø 0,90 ± 0,025 mm    |
| B | Low density polyethylene dielectric   | PE          | ø 2,95 ± 0,10 mm     |
| C | Silvered copper outer conductor<br>Percentage coverage  | CA          | 112 x 0,13 mm<br>98% |
| D | Silvered copper outer conductor<br>Percentage coverage  | CA          | 112 x 0,13 mm<br>97% |
| E | Non-contaminating polyvinyl-chloride sheath<br>Sheath's colour : <b>BLACK</b><br>OhmSheath's printing : VIMCEL MIL-C-17 RG 223 U 50 | <b>PVC2</b> | ø 5,40 ± 0,10 mm     |

Copper weight 38,5 Kg/Km  
Cable weight 59,9 Kg/Km

### ELECTRICAL PERFORMANCE

Impedance 50 ± 2 Ohm  
Capacitance 100 pF/m  
Velocity ratio 66%

### SCREENING EFFECTIVENESS dB

100-900 MHz >70  
.....-..... MHz

Inner conductor resistance 28 Ohm/Km  
Outer conductor resistance 8 Ohm/Km

Temperature range -30 °C / +70 °C

### ATTENUATION dB/100 m

50 MHz 9,3  
100 MHz 13,5  
200 MHz 19,7  
500 MHz 32,8  
1000 MHz 49,0  
2000 MHz 79,6  
3000 MHz 96,3

### STRUCTURAL RETURN LOSS dB

30-300 MHz >32  
300-600 MHz >28  
600-900 MHz >23