



### MECHANICAL DATA

### DIMENSIONS

| Layer | Description   | Material | Dimensions           |
|-------|---|----------|----------------------|
| A     | Plain copper inner conductor  | CU       | 7 x 0,75 mm          |
| B     | Low density polyethylene dielectric   | PE       | ø 7,25 ± 0,18 mm     |
| C     | Plain copper outer conductor<br>Percentage coverage   | CU       | 192 x 0,18 mm<br>97% |
| D     | Non-contaminating polyvinyl-chloride sheath<br>Sheath's colour : <b>BLACK</b><br>OhmSheath's printing : VIMCEL MIL-C-17 RG 213 U 50 | PVC2     | ø 10,3 ± 0,18 mm     |

|               |            |
|---------------|------------|
| Copper weight | 76,9 Kg/Km |
| Cable weight  | 163 Kg/Km  |

### ELECTRICAL PERFORMANCE

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

### SCREENING EFFECTIVENESS dB

|                 |     |
|-----------------|-----|
| 100-900 MHz     | >55 |
| .....-..... MHz |     |

|                            |            |
|----------------------------|------------|
| Inner conductor resistance | 6,0 Ohm/Km |
| Outer conductor resistance | 4,5 Ohm/Km |

|                   |                 |
|-------------------|-----------------|
| Temperature range | -30 °C / +70 °C |
|-------------------|-----------------|

### ATTENUATION dB/100 m

|          |    |
|----------|----|
| 50 MHz   | 4  |
| 100 MHz  | 6  |
| 200 MHz  | 9  |
| 300 MHz  | 12 |
| 450 MHz  | 16 |
| 500 MHz  | 17 |
| 800 MHz  | 23 |
| 900 MHz  | 25 |
| 1000 MHz | 27 |
| 1800 MHz | 29 |
| 2000 MHz | 31 |

### STRUCTURAL RETURN LOSS dB

|             |     |
|-------------|-----|
| 30-300 MHz  | >30 |
| 300-600 MHz | >27 |
| 600-900 MHz | >25 |

The producer reserves himself to make modification on the item without any notice

September 2007