

### **BT2003 □ 203-104**

**CABLE TYPE** BT2003

**GENERAL DESCRIPTION** 75□ COAXIAL CABLE. SUITABLE FOR THE INTERCONNECTION OF DATA OR INFORMATION PROCESSING EQUIPMENT

**RELEVANT STANDARDS** IN ACCORDANCE WITH BT CW1229E

| <b><u>COMPONENT</u></b> | <b><u>MATERIAL BREAKDOWN</u></b>                                                    | <b><u>DIAMETER</u></b> |
|-------------------------|-------------------------------------------------------------------------------------|------------------------|
| <b>Inner conductor</b>  | 0.61mm plain annealed copper wire solid                                             | 0.61 mm                |
| <b>Dielectric</b>       | Polyethylene<br>Nominal wall RT = 1.55mm                                            | 3.70 mm                |
| <b>Screen 1</b>         | 0.15mm P.A.C.W.<br>24 spindle carrier<br>5 wire ends per spindle<br>Coverage of 96% | 4.38 mm                |
| <b>Screen 2</b>         | 0.15mm P.A.C.W.<br>24 spindle carrier<br>5 wire ends per spindle<br>Coverage of 95% | 5.05 mm                |
| <b>Jacket</b>           | Polyvinyl chloride<br>Nominal wall RT = 0.80mm                                      | 6.65 ±<br>0.15mm       |

**WEIGHT** 80 kg/km (nominal)

### **ELECTRICAL PARAMETERS**

Impedance 75.0 ± 1.5□ @ >1MHz

Attenuation  
 1.2dB/100m maximum @ 1MHz  
 2.6dB/100m maximum @ 5MHz  
 9.0dB/100m maximum @ 60MHz  
 11.7dB/100m maximum @ 100MHz  
 13.5dB/100m maximum @ 135MHz  
 19.1dB/100m maximum @ 270MHz  
 22.1dB/100m maximum @ 360MHz

Dielectric withstand 3.5kV rms or 5.3kV dc for 1 minute

Insulation resistance 20,000M□ km minimum @ 500V dc after 1 minute