

### Construction:

#### Alternatives:

**Acc. to M17/137-00001**

PFA jacket  
No change to  
performance

Alternative jacket colours  
also available

#### Construction:

|   | Ø (mm)   |
|---|----------|
| Conductor.....Silver plated copper covered steel (7x0,10) | 0,30     |
| Dielectric.....Solid PTFE                                 | 2,60     |
| Braid.....Silver plated copper (0,10)                     | 3,15     |
| Jacket.....FEP, Transparent                               | 3,60     |
| Weight.....   | 27 kg/km |



### Technical Data / Attenuation & Power:

|  |                                    |
|--|------------------------------------|
| Impedance.....   | 95 ± 5 Ohms                        |
| Capacitance.....   | 50 pF/m                            |
| Velocity of signal propagation.....                      | 70%                                |
| Signal delay.....  | 4.7 ns/m                           |
| Working voltage, AC r.m.s.....                           | 1000 max                           |
| Working voltage, DC.....                                 | 2000 max                           |
| Attenuation, typical values.....                         | see table                          |
| (Nominal values at an ambient air temperature of +20°C)  |                                    |
| Power, typical values.....                               | see table                          |
| (Ambient temperature of +20°C at sea level and VSWR 1.0) |                                    |
| Suitable for frequencies.....                            | up to 2,5 GHz                      |
| Minimum bend radius (MBR).....                           | single bend: 20mm                  |
| Minimum bend radius (MBR).....                           | multiple bends: 40mm               |
| Operating temperature.....                               | -55 / +200                         |
| Flame resistance.....                                    | passes IEC 60332-3 Cat A           |
| Flammability.....  | passes UL 94 V-0                   |
| Connectors.....  | compatible with all standard types |

| Frequency (MHz) | Attenuation (dB/100m) |
|-----------------|-----------------------|
| 100             | 21,2                  |
| 200             | 30,2                  |
| 300             | 37,1                  |
| 400             | 43,0                  |
| 500             | 48,2                  |
| 600             | 52,9                  |
| 700             | 57,3                  |
| 800             | 61,4                  |
| 900             | 65,2                  |
| 1000            | 68,9                  |
| 1100            | 72,4                  |
| 1200            | 75,8                  |
| 1300            | 79,0                  |
| 1400            | 82,1                  |
| 1500            | 85,1                  |
| 1600            | 88,0                  |
| 1700            | 90,9                  |
| 1800            | 93,7                  |
| 1900            | 96,4                  |
| 2000            | 99,0                  |
| 2100            | 101,6                 |
| 2200            | 104,1                 |
| 2300            | 106,6                 |
| 2400            | 109,0                 |
| 2500            | 111,4                 |

| Frequency (MHz) | Power (W) |
|-----------------|-----------|
| 100             | 440       |
| 200             | 311       |
| 300             | 254       |
| 400             | 220       |
| 500             | 197       |
| 600             | 180       |
| 700             | 166       |
| 800             | 156       |
| 900             | 147       |
| 1000            | 139       |
| 1100            | 133       |
| 1200            | 127       |
| 1300            | 122       |
| 1400            | 118       |
| 1500            | 114       |
| 1600            | 110       |
| 1700            | 107       |
| 1800            | 104       |
| 1900            | 101       |
| 2000            | 98        |
| 2100            | 96        |
| 2200            | 94        |
| 2300            | 92        |
| 2400            | 90        |
| 2500            | 88        |

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.  
These products are manufactured generally in accordance with the Mil Spec in terms of design parameters and performance.  
Habia are not qualified to release product to the appropriate QPL.