



M17/172-00001 (RG 316 U) M17/138-00001 (RG 188 A/U) COAXIAL 50 Ω 200°C/230°C PTFE

PRODUCT REFERENCE

FILOTEX Ref:

RG 316 U (ET 085790) RG 188 A/U (ET 087245)

CONSTRUCTION

1- CONDUCTOR: Stranded 7x0.17 Silver plated copper clad steel $\emptyset = 0.51 \text{ mm}$

2- DIELECTRIC: Extruded PTFE $\emptyset = 1.52 \text{ mm} \pm 0.08$

3- SCREEN: Single braid Silver plated copper

4- JACKET:

 $T^{\circ} = 200^{\circ}\text{C FEP (RG316U)}$ $T^{\circ} = 230^{\circ}\text{C PFA (RG188AU)}$

 $\emptyset = 2.49 \text{ mm} \pm 0.10$

To: MIL C17

Main characteristics

☐ Operating temperature: - 90 to +200°C (FEP JACKET)

- 90 to + 230°C (PFA JACKET)

Maximal operating frequency: 3 GHz

□ Continuous working voltage: 900 volts

Good resistance to aircraft fluids.

☐ Good resistance to flame NFC 32070/C1 & C2 (CEI 332 -1)

□ Capacitance: < 105 pF/m</p>

☐ Relative velocity of propagation: 69.5 %

 \Box Characteristic impedance at 200 MHz: 50 \pm 2 Ω

☐ Attenuation

at 200 MHz: 40 dB/100 m at 400 MHz: 55 dB/100 m

at 3000 MHz : 160 dB/100m

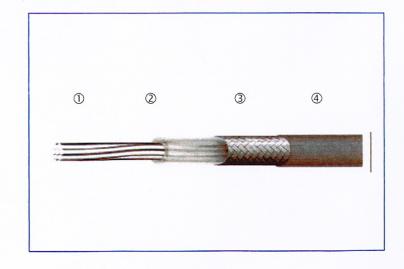
Dielectric withstanding at 50 Hz: 2 kV

□ Nominal weight: 17 kg/km

Application

High frequency connections operating at high temperature.

By their small dimensions, they are mainly designed for miniaturized connections, operating at high or low temperature.





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