

ELECTRONIC



Filotex®

RG 178 TELECOM COAXIAL 50 W 200°C PTFE

PRODUCT REFERENCE

FILOTEX Ref:

RG178 ST (ET 111336)

To: NEXANS

Main characteristics

- ❑ Operating temperature: -90°C to +200°C (PTFE)
- ❑ Maximal operating frequency: 3 GHz
- ❑ Continuous working voltage: 750 volts
- ❑ Dimensions and high frequency characteristics: see page 2
- ❑ Very good resistance to solvents
- ❑ Very good resistance to soldering operations

Application

High frequency interconnections between PCB in Telecommunication equipments

CONSTRUCTION

1- CONDUCTOR:

Silver plated copper clad steel

2- DIELECTRIC:

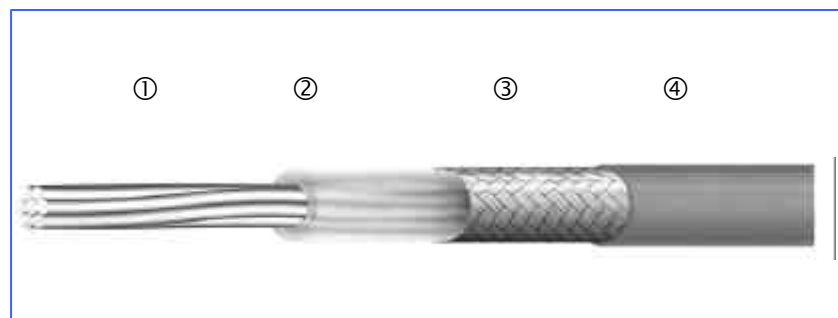
Extruded PTFE

3- SCREEN:

Single braid
Silver plated copper

4- JACKET:

Brown FEP



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 nexans

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PHYSICAL PROPERTIES

FILOTEX PART #	CONDUCTOR			Dielectric		Screen		JACKET	
	Composition n x Ø mm	Nature	Ø mm	Ø mm	Nature	Nb of braids	Nature	Ø mm	Nature
RG 178 ST (111336)	7 x 0.10	SPCCS	0.30	0.84	PTFE	1	SPC	1.80 ± 0.10	FEP

ELECTRICAL VALUES

FILOTEX PART #	Capacitance (pF/m)	Impedance (W)	Relative velocity of propagation (%)	Attenuation at 900 MHz (dB/m)	Attenuation at 1800 MHz (dB/m)
RG 178 ST (111336)	95	50 ± 2	69.5	1.5	2.4