

RG178 High-Temperature Braided Coaxial Cable

RG178 with stranded silver-plated copper center conductor and SC braid, 50Ω solid PTFE insulated high-temperature coax, 1.8mm OD for internal high-frequency wiring.

IMPEDANCE	MAX. FREQUENCY
50±2 Ω	**6000 MHz**

RG178 | 50Ω | 50Ω RG Series Braided Coaxial Cable

Custom lengths, connectors and pre-assembled jumpers are available. Send us your specification for a quotation.

TECHNICAL DATA

Technical parameters

Source: 2026 Technical Selection Manual

STRUCTURE

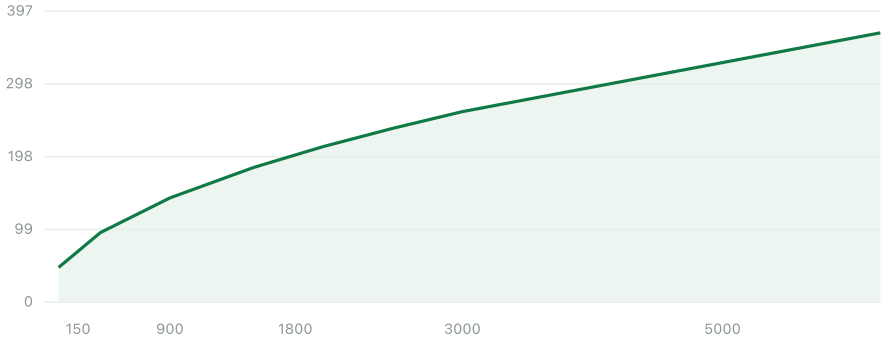
Inner conductor	silver-plated copper wire 7/0.10mm
Dielectric	PTFE 0.86±0.05mm braid silver-plated copper wire 48*0.10mm outer jacket FEP 1.80±0.10mm

MECHANICAL & ENVIRONMENT

Jacket material	PVC / PE
Weight	≈ 8 kg/km
Installation temperature	≥ −20 °C

Standards	IEC 61196-1, MIL-C-17 (equivalent to MIL standard), GB/T 14864
Applications	intra-equipment interconnect, short jumper, instrument and RF module connection

ATTENUATION & POWER



Attenuation in dB/100 m at 20 °C, nominal values (±5%).

MHz	dB/100m	MHz	dB/100m
100	47.43	2000	212.13
400	94.87	2500	237.17
900	142.3	3000	259.81
1500	183.71	6000	367.42

Product description

RG178 with stranded silver-plated copper center conductor and SC braid, 50Ω solid PTFE insulated high-temperature coax, 1.8mm OD for internal high-frequency wiring.