

RG6 Outer Conductor Braided Cable

75Ω RG6 braided cable, widely used in cable TV and satellite TV.

IMPEDANCE	OUTER DIAMETER
75 ± 3 Ω	**6.91 mm**
MAX. FREQUENCY	
5 ~ 1000 MHz	

RG6 | 75Ω | 75Ω 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	bare copper wire / copper-clad steel wire 1.02 mm
Dielectric	foam PE 4.80 mm
Outer conductor	(shield) laminated aluminum foil + Al-Mg alloy wire braid 5.80 mm
Jacket	PVC or PE 6.91 mm tri-shield aluminum foil + braid + aluminum foil 7.06 mm quad-shield double aluminum foil + double-layer braid 7.62 mm

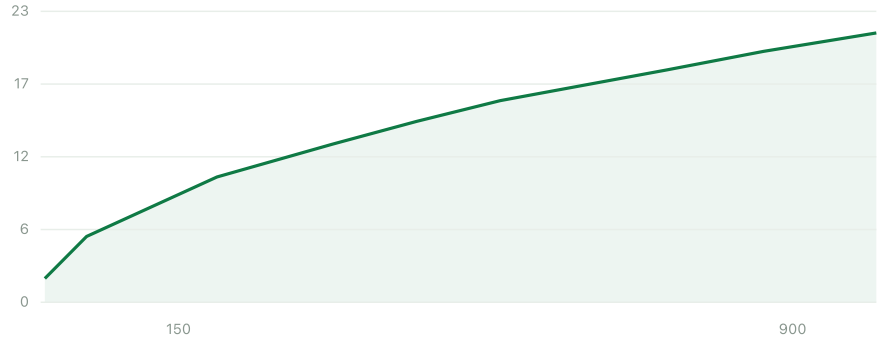
ELECTRICAL

Characteristic impedance	75 ± 3 Ω
Nominal capacitance	53 pF/m
Velocity of propagation	85 % return loss ≥ 22 dB (0–470 MHz); ≥ 20 dB (470–1000 MHz) shielding attenuation 85 / 85 / 90 / 90 / 90 dB (5 / 50 / 200 / 550 / 800 MHz)
Insulation resistance	≥ 5000 MΩ·km applicable frequency range 5 ~ 1000 MHz

MECHANICAL & ENVIRONMENT

Min. bending radius	≥ 6 × cable OD (fixed installation); ≥ 15 × cable OD (flexible installation)
Operating temperature	PVC −25 ~ +70 °C; PE −40 ~ +85 °C optional shield construction single shield / tri-shield (TRI) / quad-shield (Quad)
Standards	GY/T 135, SJ/T 11138
Applications	CATV drop cable, satellite TV, CCTV and distribution network

ATTENUATION & POWER



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

MHz	dB/100m	MHz	dB/100m
5	1.9	550	16.08
55	5.25	750	18.54
211	10	865	20.01
350	12.63	1000	21.49
450	14.43		

Product description

Introducing the RG6 Standard 75-Ohm Braiding Cable, a versatile and robust solution for a variety of communication needs. This cable is the quintessential choice for those seeking a reliable and cost-effective option for their home or commercial setups. With its classic 75-ohm impedance, the RG6 ensures compatibility with a broad spectrum of devices, from televisions to surveillance systems.