

QR565 Aluminum Tube Cable

QR565 large-size aluminum tube cable, suitable for trunk transmission.

IMPEDANCE	OUTER DIAMETER
75 ± 2 Ω	**15.9 mm**

QR565 | 75Ω | 75Ω QR Series Aluminum Tube 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	CCA wire (CCA) 3.28 mm
Dielectric	foam PE 13.18 mm
Outer conductor	welded (longitudinal argon-arc) smooth aluminum tube 14.35 mm
Jacket	PE or LSZH LSZH 15.90 mm

ELECTRICAL

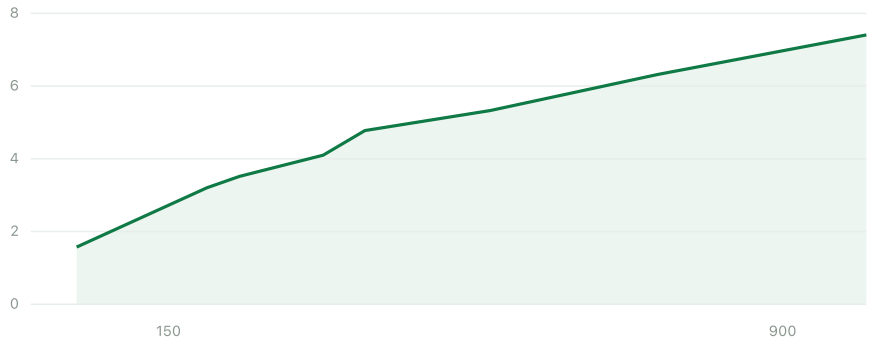
Characteristic impedance	75 ± 2 Ω

Nominal capacitance	50 ± 3 pF/m
Velocity of propagation	87 % return loss ≥ 24 dB (5–300 MHz); ≥ 22 dB (300–1000 MHz) shielding attenuation ≥ 100 dB (55 MHz); ≥ 110 dB (211–1000 MHz) inner conductor DC resistance ≤ 3.16 Ω/km (20 °C)
Insulation resistance	≥ 5000 MΩ·km jacket spark test ≥ 4000 V AC

MECHANICAL & ENVIRONMENT

Min. bending radius	≈ 159 mm (10 × cable OD) max. tensile force ≈ 110 kgf self-supporting strand optional (QR565M, for aerial installation)
Operating temperature	PE –40 ~ +85 °C; PVC –25 ~ +70 °C
Standards	GY/T 135, SJ/T 11138
Applications	CATV trunk line / distribution trunk, HFC long-distance bidirectional HFC transmission

ATTENUATION & POWER



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

MHz	dB/100m	MHz	dB/100m
55	1.51	400	4.59
211	3.08	550	5.12
250	3.38	750	6.07
350	3.94	1000	7.12

Product description

Embrace the QR565 75-Ohm Aluminum Tube Cable, a premium option for signal transmission that exemplifies the convergence of innovation and resilience. This cable is meticulously crafted for high-frequency applications, delivering exceptional performance with unmatched reliability.