

SYWV-75-5 Video Coaxial Cable

75Ω video coaxial cable with foam PE insulation, for CATV, video transmission and security systems.

IMPEDANCE	OUTER DIAMETER
75 ± 3 Ω	**7.2 mm**

SYWV-75-5 | 75Ω | 75Ω SYWV/SYWLY Video 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	solid round copper wire / CCA wire (CCA) 1.00 mm
Dielectric	foam PE 4.80 mm
Outer conductor	aluminum-plastic laminated film + tinned round copper wire (or Al-Mg alloy wire) braid 5.80 mm
Jacket	PVC or PE 7.20 mm

ELECTRICAL

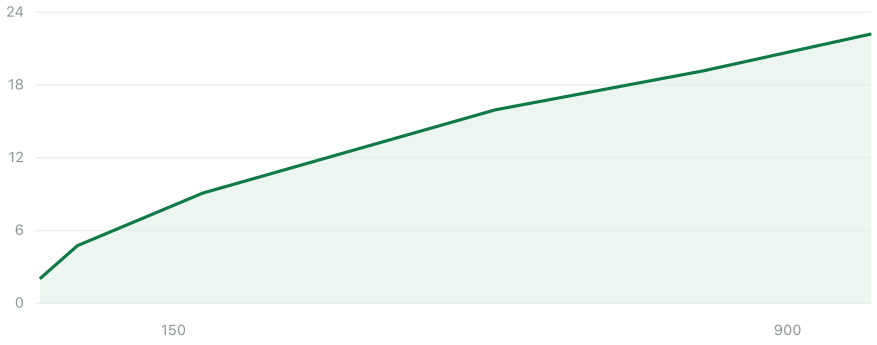
Characteristic impedance	75 ± 3 Ω

Nominal capacitance	54 ± 3 pF/m
Velocity of propagation	82 % return loss ≥ 22 dB (0–300 MHz); ≥ 20 dB (300–1000 MHz) shielding attenuation ≥ 85 dB (5 / 50 MHz); ≥ 90 dB (200–800 MHz)
Insulation resistance	≥ 5000 MΩ·km (500 V DC,20 °C) core dielectric strength ≥ 1.6 kV (40–60 Hz,1 min) jacket dielectric strength water immersion ≥ 2.0 kV; spark ≥ 3.0 kV

MECHANICAL & ENVIRONMENT

Min. bending radius	≥ 6 × cable OD (fixed installation); ≥ 15 × cable OD (flexible installation) braid fill factor ≥ 0.42
Weight	≈ 41 kg/km
Operating temperature	PVC −25 ~ +70 °C; PE −40 ~ +85 °C
Standards	GY/T 135, SJ/T 11138
Applications	CATV subscriber drop, branch line and distribution network

ATTENUATION & POWER



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

MHz	dB/100m	MHz	dB/100m
5	2	550	15.8
50	4.7	800	19
200	9	1000	22

Product description

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