

SYWLY-75-12 Self-supporting Aluminum Tube Cable

75Ω figure-8 self-supporting video coaxial cable with integrated messenger for direct aerial installation, for CATV, video and security systems.

IMPEDANCE	OUTER DIAMETER
75 ± 2 Ω	**15.1 mm**

SYWLY-75-12 | 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) 2.77 mm
Dielectric	foam PE 11.50 mm
Outer conductor	aluminum tube
Outer conductor	(argon-arc welded longitudinal wrap)12.80 mm
Jacket	PE 15.10 mm

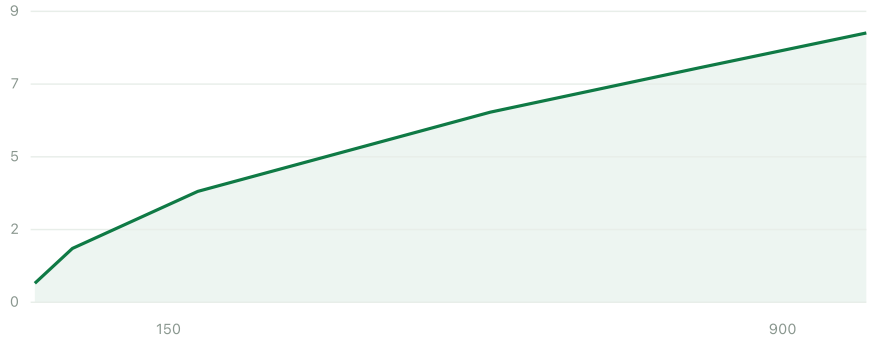
ELECTRICAL

Characteristic impedance	75 ± 2 Ω
Nominal capacitance	50 ± 3 pF/m
Velocity of propagation	86 % return loss ≥ 22 dB (0–300 MHz); ≥ 20 dB (300–1000 MHz) shielding attenuation ≥ 100 dB (5 / 50 MHz); ≥ 110 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 ≥ 5.0 kV; spark ≥ 8.0 kV

MECHANICAL & ENVIRONMENT

Min. bending radius	≥ 10 × cable OD (fixed installation) aluminum tube wall thickness ≥ 0.35 mm
Operating temperature	PE –40 ~ +85 °C
Installation temperature	range ≥ –10 °C
Standards	GY/T 135, SJ/T 11138
Applications	CATV trunk line / branch trunk, HFC bidirectional HFC network

ATTENUATION & POWER



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

MHz	dB/100m	MHz	dB/100m
5	0.6	550	6
50	1.7	800	7.4
200	3.5	1000	8.5

Product description

75Ω video coaxial cable with foam PE insulation, for CATV, video transmission and security systems. Please contact us for detailed specifications.