

FRG 660 A+

75 Ohm Drop Coaxial Cable

APPLICATION

Fenger FRG-660A+ is a high quality coaxial cable designed for both CATV and SAT-IF installations. The coaxial cable is developed to meet the highest quality requirements. Due to the full copper inner conductor of this cable it allows high performance over long distance and the loss in the cable is extremely low! Skin-foam-skin technology reduces aging of the cable and allows stable electrical parameters even when the cable is bent.

FEATURES & BENEFITS

- *Meets or exceeds all applicable standards*
- *Bare Copper center conductor*
- *Triple layer insulation (Skin/Foam/Skin)*
- *Triple shielded, 60% coverage braid*
- *Class A+ according to EN 50117*
- *For triple-play and multimedia*
- *Available with LSZH or PE jacket*
- *Swept to 3 GHz*

**Increase efficiency,
Improve installations!**

Class A+



ORDERING INFORMATION

LSZH Jacket

527171 FRG-660A+ LSZH White, Reel 100 meters

527172 FRG-660A+ LSZH White, Reel 250 meters

PE Jacket

527177 FRG-660A+ PE Black, Reel 100 meters

527178 FRG-660A+ PE Black, Reel 250 meters

CABLE MANUFACTURING SPECIFICATION

GENERAL SPECIFICATIONS

Cable Type	FRG-660A+ LSZH White	FRG-660A+ PE Black
Application	Indoor	Outdoor
Packing / Order Number	100m Reel / 527171 250m Reel / 527172	100m Reel / 527177 250m Reel / 527178

CONSTRUCTION MATERIALS

Inner Conductor	Bare Copper, Ø 1.13 mm	Bare Copper, Ø 1.13 mm
Dielectric	Skin-Foam-Skin PE, Ø 4.80 mm	Skin-Foam-Skin PE, Ø 4.80 mm
Outer Conductor	AL/PET/AL tape, ≥2 mm overlap	AL/PET/AL tape, ≥2 mm overlap
1st Shield	1 12 CuSn wire braiding (≥60%)	1 12 CuSn wire braiding (≥60%)
2nd Shield	AL/PET/AL tape, ≥2 mm overlap	AL/PET/AL tape, ≥2 mm overlap
3rd Shield	LSZH White, Ø 6.80 mm	PE Black, Ø 6.80 mm
Outer Sheath		

ELECTRICAL SPECIFICATIONS

Operating Frequency Band	5-3000 MHz	5-3000 MHz
Characteristic Impedance	75 (±3) Ohm	75 (±3) Ohm
Capacitance	52 (±2) pF/m	52 (±2) pF/m
Velocity Ratio	85 %	85 %
Sheath Insulation Voltage	4000 Volts	4000 Volts
Screening Attenuation		
30 - 1000 MHz	>95 dB	>95 dB
1000 - 2000 MHz	>85 dB	>85 dB
2000 - 3000 MHz	>75 dB	>75 dB
Transfer Impedance		
5 - 30 MHz	<2.5 mOhm/m	<2.5 mOhm/m
Screening Class		
According to EN 50117	Class A+	Class A+
DC Resistance (at 20°C)		
Inner conductor	18 Ohm/km	18 Ohm/km
Outer conductor	14 Ohm/km	14 Ohm/km
Structural Return Loss (SRL)		
5 - 470 MHz	>23 dB	>23 dB
470 - 1000 MHz	>20 dB	>20 dB
1000 - 3000 MHz	>18 dB	>18 dB

MECHANICAL SPECIFICATIONS

Minimum Bending Radius	40/80 mm	40/80 mm
Maximum Pulling Tension	150 N	150 N

SPECIFICATION CONFORMITY

According to EN 50117	part 2-4	part 2-5
-----------------------	----------	----------

ATTENUATION (at 20°C)

Frequency [MHz]	5	50	100	200	400	800	1000	1500	1750	2150	3000
Nominal Value [dB/100m]	1.3	3.7	5.7	7.9	11.5	16.5	18.5	22.8	24.9	28.0	33.5