

# FURUTECH CO., LTD.

DT-040527

1. Scope

This Specification is applied to **FX-  $\alpha$  Ag.**

2. Construction & Material

ITEM		Specification
Conductor	Material	Pure Silver $\alpha$ (Alpha) Conductor
	Construction	7/0.18
	Diameter	0.54 mm
Insulation I	Material	Teflon
	Nom. Thickness	0.23 mm
	Diameter	1.0 mm
Insulation II	Material	Polyethylene foam
	Nom. Thickness	1.0mm
	Diameter	3.0 mm
Shield	Method	PET/Al Tape +0.10mm $\phi$ $\alpha$ (Alpha) Conductor wire Braid
Jacket	Material	Flexible PVC (Green)
	Nom. Thickness	2.0 mm Approx.
Cable Type		Coaxial
Overall Diameter	mm	8.0 $\phi$
Jacket Print :		

※  $\alpha$ -Conductor : The fine Pure Silver or Silver Plated  $\mu$ -OFC conductor wire stands and treated by  $\alpha$  (Alpha) process.

3. Electrical Properties

Item	Specification	Remark
Max. Conductor Resistance	100 $\Omega$ /km	JIS3005 6 20°C
Min. Insulation Resistance	1000 M $\Omega$ .km	JIS3005 9.1 20°C
Dielectric Strength	AC 1000 V/1min	JIS3005 8
Characteristic Impedance	75 $\pm$ 3 $\Omega$	TDR ( 10MHz )
Transmission Delay Time	3.80 $\pm$ 0.10 ns/m	

4. Cross Sectional View

