

R-Test EconoFlex Coaxial Cable
(equivalent to SS402)

EF402

Cable Construction

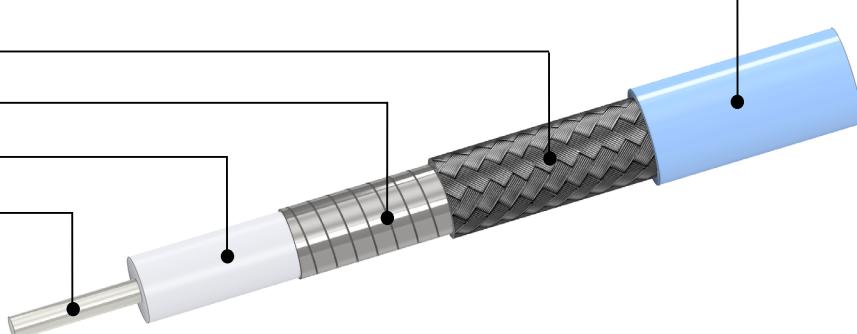
Jacket

Braid

Foil

Dielectric

Inner Conductor



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Solid, Silver Plated Copper Clad Steel Wire (SPCW)	-
Dielectric	PTFE (Polytetrafluoroethylene)	-
Outer Conductor	Copper, Silver plated	-
Outer Conductor	Copper, Silver plated	-
Jacket	FEP (Fluorinated Ethylene Propylene)	4.14 mm

Electrical Data

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Capacitance	96.1 pF/m
Velocity of signal propagation	70 %
Signal delay	4.72 ns/m
Insulation resistance	≥ 1 x 10 ⁸ MΩ/m
Screening effectiveness	≥ -110 dB
Operating Voltage Max. (Vrms @ 60 Hz)	≤ 1.9 kVrms (@ sea level)

Mechanical Data

Weight	45 g/m
Min. bending radius	20.3 mm

Environmental Data

Temperature range	-55°C to +200°C
RoHS (2011/65/EU)	compliant

Typical Attenuation

Frequency (GHz)	Typical Attenuation (dB/m) @ 25°C sea level	Typical Attenuation (dB/ft) @ 25°C sea level	Max. CW power (Watt) @ 25°C sea level
0.5	0.28	0.09	527.5
1	0.40	0.12	373.0
5	0.97	0.30	166.8
10	1.46	0.45	118.0
18	2.09	0.64	87.9
26.5	2.66	0.81	72.5