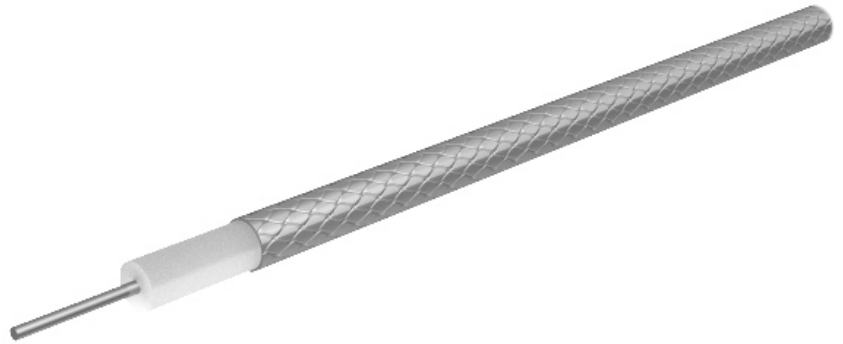


Hand formable, 75 Ohm, 4 GHz, 165°C, ø2.1 mm, no jacket

SUCOFORM_86_75

Properties

- Hand-formable alternative to semi-rigid cables
- Small bend radius allows for space saving routing and packaging
- Performance comparable to semi-rigid cables
- 75 Ohm characteristic Impedance



Construction			
Component	Material	Detail	Diameter
Centre conductor	Steel, Copper + Silver plated	Wire	0.29 mm
Dielectric	PTFE (Polytetrafluoroethylene)		1.65 mm
Outer conductor	Copper, Tin plated	Tin soaked braid, 100%	2.1 mm

Electrical data	
Impedance	75 Ω +/- 3Ω
Operating frequency	≤ 4 GHz
Capacitance	62 pF/m
Velocity of signal propagation	71 %
Signal delay	4.7 ns/m
Screening effectiveness	100 dB at frequency 0.1 GHz ... 4GHz
Insulation resistance	100000000 MΩ*m
Inner conductor resistance	680 Ω/km
Operating Voltage (at sea level)	≤ 1.5 kVrms
Test voltage (50 Hz/1 min)	≤ 3 kVrms

Mechanical data	
Weight	approx. 14 g/m
Static bending radius	≥ 6 mm
Repeated bending radius	20 mm (bendings, up to 50)

Environmental data	
Operation temperature	-65 °C ... 165 °C
Installation temperature	-20 °C ... 60 °C
Flame propagation standard	IEC 60332-1 UL 1581 § 1080 (VW-1)

Hand formable, 75 Ohm, 4 GHz, 165°C, ø2.1 mm, no jacket
SUCOFORM_86_75

Environmental data			
Fire characteristics		contains halogene	
Suitable connectors			
Cable group		U99	
Ordering information			
Item number	Item description		Available as assembly only
22511720	SUCOFORM_86_75		No
Power Matrix			
Calculation: typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW [formula: (p/f^0.5)]			
a coefficient typical =	0.671	b coefficient typical =	0.0672
fmax =	4	P at 1 GHz =	120
Frequency	Nom. attenuation	Nom. attenuation	CW power
GHz	(dB/m)	(dB/ft)	(W)
	sea level 25°C ambient temperature	sea level 25°C ambient temperature	sea level 40°C ambient temperature
0.20	0.314	0.096	268
0.40	0.451	0.138	190
0.60	0.560	0.171	155
0.80	0.654	0.199	134
1.00	0.738	0.225	120
1.20	0.816	0.249	110
1.40	0.888	0.271	101
1.60	0.956	0.291	95
1.80	1.021	0.311	89
2.00	1.083	0.330	85
4.00	1.611	0.491	60

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