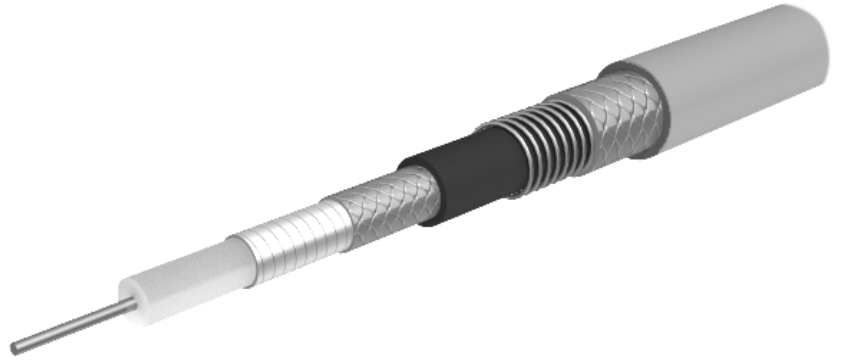


High-flexible armoured, 50 Ohm, 26.5 GHz, 85°C, ø10.3 mm, PUR jacket

SUCOFLEX_526_EA

Properties

- Applicable up to 26.5 GHz
- High phase- and amplitude stability with flexure and movement
- Excellent insertion and return loss
- Precise and repeatable measurements
- Long life time - lower measurement cost



Construction			
Component	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Strand, Low-loss	
Dielectric	PTFE (Polytetrafluoroethylene)		
Outer conductor	Copper, Silver plated	Wrapped foil, 100%	
Outer braid	Copper, Silver plated	Braid	
Jacket	PUR (Polyurethane)		
Armour	Steel	Wire helix (Spiral)	
Armour	Steel	Braid	
Jacket	PUR (Polyurethane)	RAL 5009 - bl	10.3mm

Electrical data	
Impedance	50 Ω
Operating frequency	≤ 26.5 GHz
Capacitance	87 pF
Velocity of signal propagation	77 %
Signal delay	4.3 ns/m
Screening effectiveness	90dB
Insulation resistance	100000000 MΩ*m

Mechanical data	
Weight	approx. 171 g/m
Static bending radius	≥ 30 mm
Dynamic bending radius	≥ 50 mm

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Environmental data	
Operation temperature	-40 °C ... 85°C
Fire characteristics	contains halogene

Suitable connectors	
Cable group	U98

Ordering information		
Item number	Item description	Available as assembly only
85207854-22511390	SUCOFLEX_526_EA	Yes

Power Matrix			
Calculation: typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW [formula: (p/f^0.5)]			
a coefficient typical =	0.232	b coefficient typical =	0.0065
fmax =	26.5	P at 1 GHz =	540.0
Frequency GHz	Nom. attenuation (dB/m)	Nom. attenuation Max. (dB/ft)	CW power (W)
	sea level 25°C ambient temperature	sea level 25°C ambient temperature	sea level 40°C ambient temperature
0.20	0.105	0.032	1207
0.40	0.149	0.045	854
0.60	0.184	0.056	697
0.80	0.213	0.065	604
1.00	0.239	0.073	540
1.20	0.262	0.080	493
1.40	0.284	0.087	456
1.60	0.304	0.093	427
1.80	0.323	0.098	402
2.00	0.341	0.104	382
4.00	0.490	0.149	270
6.00	0.607	0.185	220
8.00	0.708	0.216	191
10.00	0.799	0.244	171
20.00	1.168	0.356	121
26.50	1.367	0.417	105

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