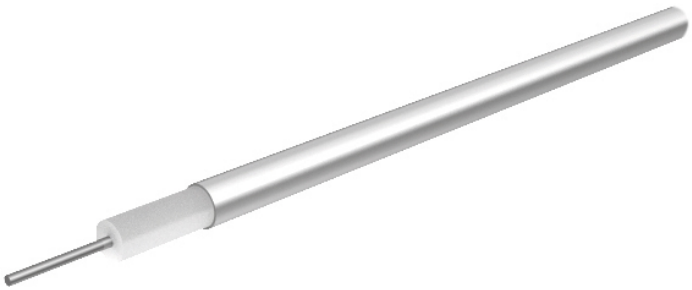
Data Sheet

Formable microwave cable
EZ_141_75_TP

Description

Semi-rigid: Semi-rigid, formable microwave cables

75 Ohm, 38 GHz, 125°C, ø3.58 mm, no jacket



Technical Data

Construction

	Material	Detail	Diameter
Centre conductor	Steel, Copper+Silver plated	Wire	0.51 mm
Dielectric	PTFE (Polytetrafluoroethylene)		2.98 mm
Outer conductor	Copper, Tin plated	Tube, 100%	3.58 mm

Electrical Data

Impedance		75 Ω +/- 1
Operating Frequency		38 GHz
Velocity of signal propagation		69.5 %
Signal delay		4.8 ns/m
Screening effectiveness		≥ 120 dB (up to 18 GHz)
Operating voltage		≤ 2.5 kV_{rms} (at sea level)
Test voltage		5 kV_{rms} (50 Hz/1 min)

Mechanical Data

Weight		4.61 kg/100 m
Min. bending radius	static	12.7 mm
	repeated	

Environmental Data

Temperature range	-55 °C ... +125 °C
Halogen free	No
2011/65/EU (RoHS)	compliant
2006/1907/EC (REACH)	compliant
2000/53/EC (ELV)	compliant
2012/19/EU (WEEE)	no special marking needed

Additional Information

Ordering Information

Order as	EZ_141_75_TP

Remarks

(For details refer to the HUBER+SUHNER RF CABLES GENERAL CATALOGUE or contact your nearest HUBER+SUHNER partner)

Suitable Connectors

Cable group	Y6 3 mm / 75 Ohm

Data Sheet

Formable microwave cable
EZ_141_75_TP

Matrix typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW [formula: (p/f^0.5)]
Coefficients:

a =	b =	f_{max} = 38	P at 1GHz =

Frequency	Nom. attenuation	Nom. attenuation	Max. 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
1,9			
3,8			
5,7			
7,6			
9,5			
11,4			
13,3			
15,2			
17,1			
19,0			
20,9			
22,8			
24,7			
26,6			
28,5			
30,4			
32,3			
34,2			
36,1			
38,0			

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.