

Koaxiální kabel Tri-Lan 240 WLL (50 ohm)



Kabel je určen pro použití v instalacích WLAN pracujících na 2.4GHz a 5GHz. Při jeho použití v 2.4GHz systémech, je v budoucnosti možná jejich změna na 5GHz bez potíží s výměnou kabeláže. Plášť je vyroben z polyetylénu, který je odolný proti UV. Tri-Lan 240 je proto vhodný k venkovnímu použití.

Specifications

Name	Tri-Lan 240		
Code	E1171		
			tolerance
Copper core			
Diameter	mm	1.4	+/-0.02
Mechanically foamed dielectric			
Outer diameter	mm	3.8	+/- 0.05
Shielding			
Al foil/Polyester/Al foil:	um	12/15/12	
Covering factor	%	100	
CuSn braid:		16x7x0.12	
Covering factor	%	80	
Outer diameter	mm	4.45	
Sheath			
Material		PE	
Outer diameter		6.10	+/-0.10
Color		black	
Electrical parameters			
Impedance	ohm	50	+/-2
Capacitance	pF/m	83	
Wave reduction factor	%	81	
Screening efficiency	dB	>90	
Resistance of the core	ohm/km	11.2	
Resistance of the shielding	ohm/km	12.4	
Other parameters			
Minimum bending radius	mm	30/60	
Weight	kg/km	47	
Working temperature	°C	-40 to +70	

With this cable there can be used all connectors suitable for [H-155](#) cable (working up to 2.4 GHz).

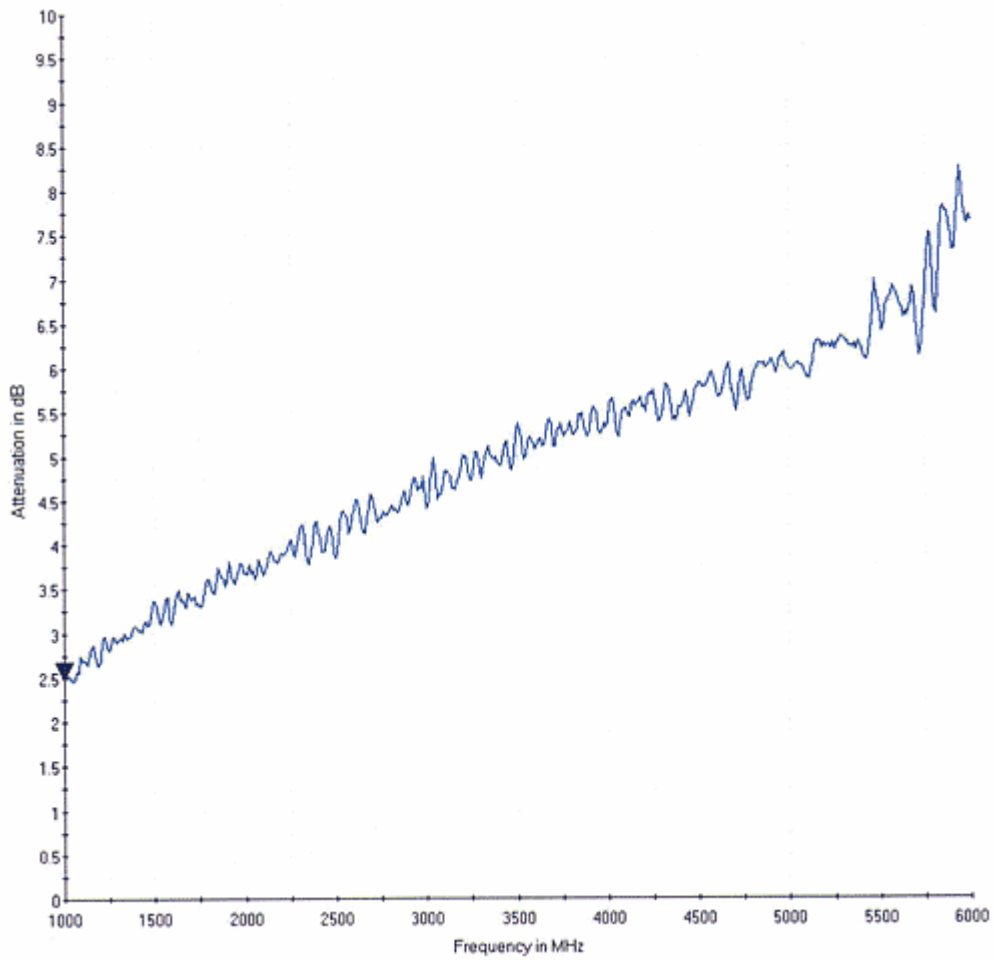
For 5GHz band we recommend the connectors working up to 6 GHz: [N-plug](#)

Maximum transmitted power

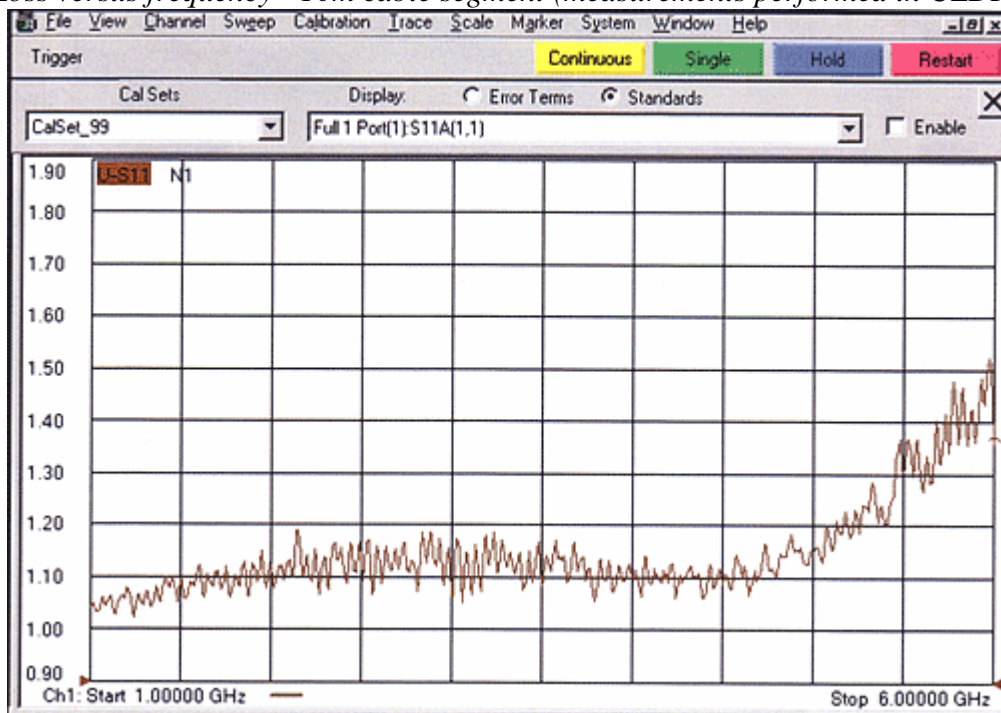
Frequency [MHz]	Power [kW]
30	1.41
50	1.09
150	0.62
220	0.51
450	0.35
900	0.24
1500	0.19
1800	0.17
2000	0.16
2500	0.14
5800	0.09

Cable loss at 20C

Frequency [MHz]	Attenuation [dB/100m]
30	4.2
50	5.4
150	9.2
220	11.2
450	16.2
900	23.3
1500	30.7
1800	33.9
2000	35.9
2500	40.6
5800	65.2



Loss versus frequency - 10m cable segment (measurements performed in CLBT).



Matching characteristics (measurements performed in CLBT).