

Coaxial Cable Tri-Lan 240 WLL (50 ohm)



View of the spool of the cable



Close-up

The cable has been designed for applications in WLAN installations operating at 2.4GHz and 5GHz. Using it in 2.4GHz systems, one can migrate the system in the future to 5GHz without a trouble with changing the cabling. The sheath of the cable is made of UV-proof PE, which allows to apply the Tri-Lan 240 outdoors.

Specifications

Name	Coaxial cable 50 ohm Tri-Lan 240		
Code	E1171		
			tolerance
Copper core			
Diameter	mm	1.4	+/-0.02
Mechanically foamed dielectric			
Outer diameter	mm	3.8	+/- 0.05
Shield			
Al foil/Polyester/Al foil	um	12/15/12	
Coverage rate (foil)	%	100	
Cu-Sn braid		16x7x0.12	
Coverage rate (braid)	%	80	
Outer diameter	mm	4.45	
Sheath			
Material		PE	
Outer diameter	mm	6.10	+/-0.10
Color		black	
Electrical parameters			
Impedance	ohm	50	+/-2
Capacitance	pF/m	83	
Wave reduction factor	%	81	
Screening efficiency	dB	>90	
Core resistance	ohm/km	11.2	
Braid resistance	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 may be used all connectors suitable for H-155 cable (working up to 2.4 GHz).

We recommend the connectors working up to 6 GHz:

N-plug

N-socket

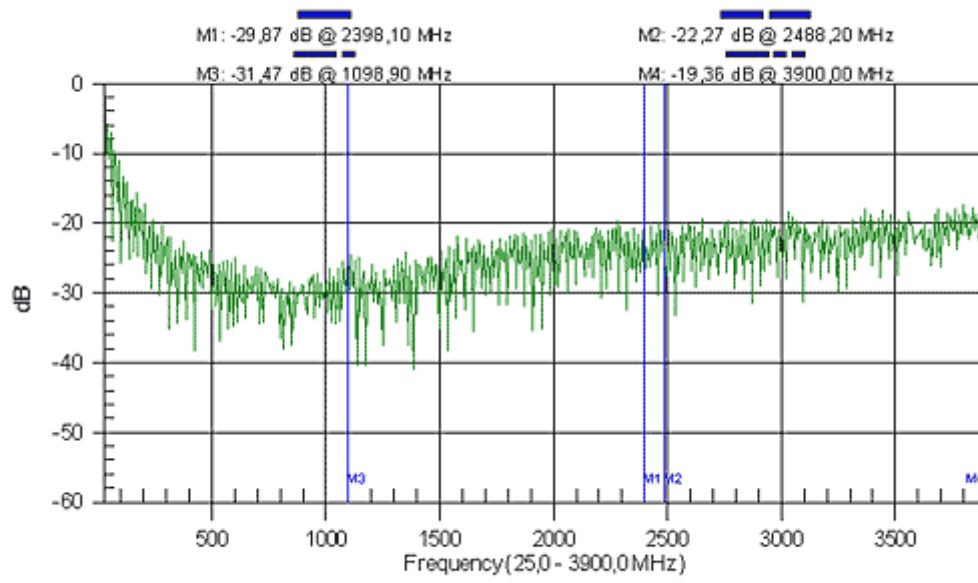
Maximum transmitted power

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

Attenuation at 20 C

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

Return Loss



Date: 11/17/2006
Model: S332D

Time: 09:48:22