



Flexible cable 2.6/50 D (ECO316D: alternative to RD316)



ECO-Friendly cable
Cost effective solution

P/N: ST291 999 905

APPLICATION NOTE

Designed by Radiall, ECO316D is an alternative solution to RD316:

- **Advantageous in term of electrical performance:** its optimized construction allows better attenuation and screening effectiveness than RD316.
 - **Environmental advantages:** halogen and sulphur free, this cable does not emit any toxic substance when submitted to fire. The flame retardant jacket allows ECO316D to meet fire resistance standards.
 - **Advantageous in term of price:** ECO316D design has integrated all Radiall knowledge to reach the best performance with a very competitive price.
 ECO316D is UL style 1375 approved.
- This cable is compatible with a large range of connector series.**

CONSTRUCTION / DIMENSIONS

	Material	mm	Inches
Center conductor	Solid OFC ⁽¹⁾	0.55	0.022
Dielectric	Foam PE ⁽²⁾	1.55	0.061
Inner shield	OFC ⁽³⁾ braid	1.90	0.075
Outer shield	OFC ⁽³⁾ braid	2.30	0.091
Jacket	Black LSZH PE ⁽⁴⁾	2.80	0.110

ELECTRICAL CHARACTERISTICS

Characteristic impedance	50Ω ± 2Ω	
Operating frequency range	DC - 3 GHz	
Shielding effectiveness	65 dB	
Voltage withstanding	2 000 V rms	
Peak power	1.4 kW	
Capacitance	84 pF / m	25.5 pF / ft
Velocity of propagation	80 % (4.15 ns / m)	