



Flexible cable 2.6/50 S (ECO316X)



ECO-Friendly cable
Cost effective solution

P/N: ST291 171 083

APPLICATION NOTE

Designed by Radiall, ECO316X is an alternative solution to ECO316 when higher power level is required:

- **Advantageous in term of electrical performance:** the crosslink foam polyethylene used as dielectric material allows higher temperature level (thus power range) than ECO316.
- **Environmental advantages:** halogen and sulphur free, this cable does not emit any toxic substance when submitted to fire. The flame retardant jacket allows ECO316X to meet fire resistance standards.
- **Advantageous in term of price:** ECO316X design has integrated all Radiall knowledge to reach the best performance with a very competitive price.

ECO316X is UL style 1375 and 3651 approved
This cable is compatible with a large range of standard connector series.

CONSTRUCTION / DIMENSIONS

	Material	mm	Inches
Center conductor	Stranded SPC ⁽¹⁾	0.54	0.021
Dielectric	X foam PE ⁽²⁾	1.54	0.061
Inner shield	SPC ⁽¹⁾ braid	2.05	0.081
Jacket	Blue LSZH PE ⁽³⁾	2.52	0.099

ELECTRICAL CHARACTERISTICS

Characteristic impedance	50Ω ± 2Ω	
Operating frequency range	DC - 3 GHz	
Shielding effectiveness	35 dB	
Voltage withstanding	3 000 V rms	
Capacitance	94.5 pF / m	28.7 pF / ft
Velocity of propagation	71 % (4.7 ns / m)	