

# Low loss coaxial cable for radio communications

## Characteristics

Diameter	14,6 mm
Impedance	50 Ohm
Attenuation @ 1 GHz/100m	9,8 dB
Attenuation @ 1 GHz/100ft	2,99 dB
f <sub>max</sub>	6 GHz

**ECOFLEX 15** is a flexible low-loss coaxial cable for use in the frequency range of DC - 6 GHz.

Its unique construction combines the low loss properties found in non-flexible solid center conductor hardline cables with the high flexibility of cables manufactured with stranded center conductors.

Advanced manufacturing techniques combined with the use of a PE-LLC Dielectric yields a foaming rate of more than 70%, resulting in very low attenuation.

The use of continuous center conductor calibration and compression as well as the application of a precoating guarantees low losses and stable impedance matching.

An EMI screening immunity of > 90 dB at 1.0 GHz is achieved through the use of double shielding which consists of overlapping copper foil and an additional tight woven copper braid. The copperfoil has an applied PE coating which prevents foil cracking due to short radius bends. The black PVC sheath of **ECOFLEX 15** is uv-stabilized.

**ECOFLEX 15** is the 1st choice when a low loss, highly flexible microwave rated cable is required. Its economical price makes **ECOFLEX 15** the clear leader for today's demanding applications.

Solder-free, high quality connectors in "N" and "7-16" have been specially developed for **ECOFLEX 15**. Connector installation only takes a few minutes and requires no special tools.

**ECOFLEX 15** is available from stock in the following standard drum sizes:  
25m, 50m, 100m, 200m and 500m.

## ECOFLEX® 15 Connectors



Art.-Nr. 7395 N-plug, male, solderless



Art.-Nr. 7397 N-plug, female, solderless



Art.-Nr. 7398 7/16 DIN-plug male, solderless

