

ECOFLEX 15

MULTIFUNCTIONAL, LOW-LOSS COAXIAL CABLE | DC-6 GHZ



Coaxial cable Ecoflex 15 | Available in roles of 25 m and 50 m

ECOFLEX® 15 is a new 15 mm 50 Ohm 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 cables with the high flexibility of cables manufactured with stranded center conductors. ECOFLEX 15 was designed to meet the demands of the RF and Telecommunications industries for a low loss, highly flexible, affordable coaxial cable.

An EMI screening immunity of > 90 dB. at 1.0 GHz. is achieved through the use of double shielding which consists of overlapped copper foil and an additional copperbraid. The copper foil has an applied PE coating which insures that EMI immunity is not compromised by short radius bends. ECOFLEX 15 is the right choice when a low loss, highly flexible microwave rated cable is required. Ecoflex 15 is the clear leader for today's demanding applications. A solder free N-connector has been developed for ECOFLEX 15. Connector installation only takes a few minutes and requires no special tools.

Specifications

Characteristic impedance : 50 Ohm

Capacitance : 77 pF/m

Velocity ratio : 0,86

Inner conductor : stran. copper, oxygen free 7 x 1,55 mm; ø 4,5 mm

Dielectric : PE low-loss Compound

Diameter over dielectric : ø 11,3 mm

Outer conductor 1 : copperfoil, PE-coated

Shielding factor : 100%

Outer conductor 2 : copper braid

Shielding factor : 72%

Diameter over outer conductor : 14,6 mm

Sheath : black PVC, UV-resistant

Min. setting radius(installation) : 70 mm

Min. bending radius (15 times) : 140 mm

Total Weight : 25,8 kg/100 m

Copper Weight : 70 g/m

Power rating (at 40°C according IEC96) : 10 MHz - 6,45 kW | 100 MHz - 1,97 kW | 500 MHz - 830 W | 1000 MHz - 560 W | 2000 MHz - 380 W | 3000 MHz - 300 W | 4000 MHz - 250 W | 6000 MHz - 190 W

Loss in dB/100 m

5 MHz : 0,6 dB

10 MHz : 0,86 dB

50 MHz : 1,96 dB

100 MHz : 2,81 dB

144 MHz : 3,4 dB

300 MHz : 5,0 dB

432 MHz : 6,1 dB

Article id: ECOFLEX 15

Price: € 189,00

ex VAT € 156,20

Classic International B.V.

Zuidhoven 9 G

6042 PB Roermond

The Netherlands

info@classicinternational.eu

<https://www.classicinternational.eu>

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800 MHz : 8,6 dB
1000 MHz : 9,8 dB
1298 MHz : 11,4 dB
1500 MHz : 12,4 dB
1800 MHz : 13,8 dB
2320 MHz : 16,0 dB
2400 MHz : 16,3 dB
3000 MHz : 18,7 dB
6000 MHz : 28,8 dB
2320 MHz : 21,8 dB

Electrical 1/2 wave (m.) = { [300 / frequency MHz] : 2 } x velocity factor

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