

HFX 50 1,3L/3,6C-PVC

Product-Nr.: 2261

DOP.: Eca



Usage

For applications in radio technology we manufacture 50 Ohm high-frequency coaxial cables in various dimensions and designs. In addition to the internationally used robust cable types of the US-MIL standard series RG, we also offer attenuation-optimized versions with improved shielding effectiveness for VSAT, WiFi, RFID, LTE and 5G and other radio services.

All cables with an outer jacket of PE can be buried.

Weight

0,0396 kg/m

Construction

Photo	Colours and design may differ from the picture
Inner conductor dimensions [mm]	1,35 (7x0,45)
Inner Conductor material	Cu bare
Insulation dimensions [mm]	3,60 ± 0,10
Insulation material	Cell-PE
1. Outer Conductor material	Al-foil Cu tinned
Jacket dimensions [mm]	5,35 ± 0,15
Jacket material	PVC black
Construction Number	950194

Electrical Properties

Characteristic impedance [Ω]	50 ± 3,0
Attenuation at 50 MHZ [db/100m]	7,4
Attenuation at 100 MHZ [db/100m]	10,0
Attenuation at 200 MHZ [db/100m]	13,9
Attenuation at 500 MHZ [db/100m]	23,0
Attenuation at 1000 MHZ [db/100m]	33,8
Attenuation at 2000 MHZ [db/100m]	51,3
Attenuation at 3000 MHZ [db/100m]	63,6
Velocity ratio [v/c]	0,81
DC resistance inner conductor [Ω/km]	< 17,0
DC resistance outer conductor [Ω/km]	< 20,0
Capacitance approx. [pF/m]	83
Return loss >1000-2000 MHZ [db]	>20

Mechanical Properties

Max. tensile strenght [N]	100
Operating temperature range [°C]	-50 / +70
Heat of combustion [kWh/m]	0,28
UV-resistance	Very good
Min. bending radius (dynamic) [mm]	60
Min. bending radius (static) [mm]	30

Alle Angaben verstehen sich, falls nicht anders angegeben, als Nennwert. Änderungen in Konstruktion und Ausführung vorbehalten.
The data provided is based on nominal values. Subject to change without notice and errors excepted.