

Cable Construction

Conductor
Copper Clad Aluminum

Inner Conductor
Ø 2.74 ± 0.02 mm

Insulation
Ø 7.25 ± 0.1 mm Gas Injected
Skin/Foam/Skin PE

1. Shielding
Aluminium Foil

2. Shielding
Tinned Copper Wire Braiding

Braiding Coverage
84% ± 3

Outer Sheath
HFFR* Black

Outer Diameter
10.10 mm ± 0.20

Tensile / Elongation
Min : 9 N/mm² % 125

Technical Properties

Cable Weight 165 kg/km
Copper Weight 32 kg/km
Min. Bending Radius 65 mm
Temperature Range -30 °C ... +70 °C
Packing 250 m

Electrical Properties

Impedance 50 ± 3 Ω
Capacitance 77 ± 3 pF/m
Velocity of Propagation 66 %
Insulation Resistance > 2 GΩxkm
Operating Voltage 5000 V
Test Voltage 10 kV
Inner Conductor DCR <55 Ω/km

Attenuations (20°C)

30 MHz	2.50 dB/100m
50 MHz	3.10 dB/100m
150 MHz	5.20 dB/100m
220 MHz	6.40 dB/100m
450 MHz	9.10 dB/100m
900 MHz	13.00 dB/100m
1500 MHz	17.00 dB/100m
1800 MHz	19.00 dB/100m
2000 MHz	20.00 dB/100m
2500 MHz	22.50 dB/100m
3000 MHz	27.10 dB/100m

Return Loss (20°C)

5-470 MHz	> 26 dB
470-1200 MHz	> 23 dB
1200-2000 MHz	> 20 dB
2000-3000 MHz	> 18 dB

Standards

EN 50117-1, (MIL-C-17)

Flame Retardancy
EN 60332-1-2

Euro Class
D_{ca}, s1, d1, a1