



RF-LLX-CL 7/8" SHF2

Coupling Leaky Cable

50Ω

SHF2

DNV

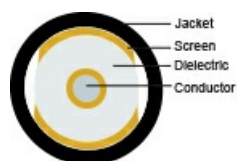
Application

Radiating coaxial cable for tunnels, ships, buildings and other closed areas. Outer sheath SHF2



Construction

Conductor	Cu-tube $\varnothing = 9.0 \pm 0.2$ [mm]
Dielectricum	Cellular PE $\varnothing = 22.0 \pm 0.5$ [mm]
Screen	Slotted corrugated copper tube $\varnothing = 24.9 \pm 0.5$ [mm]
Jacket	Black SHF2
O.D.	27.5 ± 0.5 [mm]
Weight	460 [kg/km]
Jacket marking	NEK Kabel – RF-LLX-CL 1/2" – SHF2 – DNV – DD/MM/YYYY – <batch no.> – ****m



Specifications

Operating temperature normal	-25 – +70 [°C]
Characteristic impedance	50 ± 2 [Ω]
Insulation resistance	5 [GΩ x km]
Tensile strength	1500 [N]
Velocity factor	88 [%]
Min. bending radius	250 [mm]

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 60096-0-1 Ed 3 IEC 61196-1-100
Flame resistance	IEC 60332-3-24 Cat.C
Flame retardant	IEC 60332-1-2
Smoke emission	IEC 61034-2
Certification	DNV



Prod.no

3031015

Attenuation

Frequency [MHz]	Attenuation [dB/100m ±5%]	Coupling loss 95% [dB±10]
150	≤ 1.8	≤ 78
450	≤ 3.6	≤ 86
900	≤ 5.3	≤ 85
1800	≤ 7.5	≤ 85
2200	≤ 8.3	≤ 83
2400	≤ 8.7	≤ 84

VSWR

Frequency [MHz]	-
260 – 480	≤ 1.25
820 – 960	≤ 1.25
1700 – 1860	≤ 1.25
1900 – 2050	≤ 1.30
2100 – 2200	≤ 1.30
2300 – 2400	≤ 1.30