



RF-LLX-CL 1/2" SHF2

Coupling Leaky Cable

50Ω

SHF2

DNV

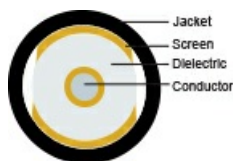
Application

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



Construction

Conductor	Copper-clad Al 4.8 ± 0.05 [mm]
Dielectricum	Foamed PE 12.10 ± 0.20 [mm]
Screen	Slotted corrugated copper tube 13.90 ± 0.25 [mm]
Jacket	Black SHF2
O.D.	16.0 ± 0.4 [mm]
Jacket marking	NEK Kabel – RF-LLX-CL 1/2" – SHF2 – DNV – DD/MM/YYYY – <batch no.> – ****m



Specifications

Operating temperature normal	-20 – +70 [°C]
Temperature @ installation	-20 – +50 [°C]
Characteristic impedance	50 ± 2 [Ω]
Insulation resistance	10000 [MΩ x km]
Tensile strength	1130 [N]
Velocity factor	88 [%]
Min. bending radius	80 [mm]
Min. bending radius @ installation	125 [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 60754-2
Certification	DNV



Prod.no

3031016



NEK offers:

ConMarin N-Female PO: 65464

ConMarin N-Male PO: 65402

Attenuation

Frequency [MHz]	Attenuation [dB/100m $\pm 5\%$]	Coupling loss 95% [dB ± 10]
150	3.40	78
450	6.60	80
700	7.7	81
900	9.50	82
1800	13.75	88
2200	15.40	85
2400	16.00	87

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

Updated

Date	Rev.	Description
23.04.2025	1	Attenuation