

# RF-LLX-CL 1/2" 50 SHF2

## Coupling Leaky Cable

50Ω

SHF2 - MUD

DNV

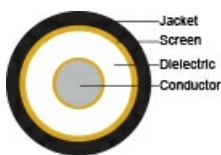
## Application

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]
Outer Jacket	Black MUD resistant SHF2
O.D.	16.5 ± 0.20 [mm]



## 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	0,88
Min. bending radius	80 [mm]
Min. bending radius @ installation	12 [mm]

## Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 and IEC 60754-2
Material properties, insulation and sheath	IEC 60092-360 (359)
Design and testing standards	IEC 61196-1-100 IEC 60096-0-1 Ed 3 EN 50288-1
Flame resistance	IEC 60332-3-24 Cat.C
Flame retardant	IEC 60332-1-2
Smoke emission	IEC 61034-1 and IEC 61034-2
Oil and fuel resistant	IRM 902 100°C x 24h
MUD resistant	NEK TS 606
UV-resistant	ASTM G 154 ASTM D 4587
Certification	DNV



Prod.no	3031016
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NEK offers:

ConMarin N-Female PO: 65464

ConMarin N-Male PO: 65402

## Attenuation

Frequency [MHz]	Attenuation [dB/100m ±5%]	Coupling loss 95% [dB±10%]
150	3.40	62/78
450	6.60	70/80
900	9.50	71/82
1800	13.75	77/88
2200	15.40	76/85
2400	16.00	77/87



## 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