

RF 600 SHF1

Low loss flexible feeder cable

50Ω

SHF1, UV

DNV

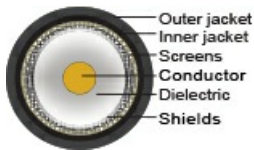
Application

Communication cable used in jumper assemblies or short antenna feeder runs. Designed for indoors installations of WLAN, GPS, Mobile antennas where an easily routed low loss RF cable is needed.



Construction

Conductor	Copper coated Al wire 4.45 ± 0.04 [mm]
Dielectricum	Cellular PE 11.7 ± 0.25 [mm]
Screen	Al - polyester tape
Screen	Tinned Cu-braid 12.6 ± 0.25 [mm]
Jacket	Black SHF1
O.D.	15.0 ± 0.4 [mm]
Weight	200 [kg/km]



Specifications

Operating temperature normal	-40 – +85 [°C]
Temperature @ installation	-20 – +60 [°C]
Screen resistance	3.9 [Ω/km]
Characteristic impedance	50 ± 2 [Ω]
Return Loss	> 14 [dB]
Conductor resistance	1.7 [Ω/km]
Tensile strength	170 [N]
Capacitance	76.6 [pF/m]
Velocity factor	0,87
Min. bending radius flexible	10 [x outer diam]
Min. bending radius installed	5 [x outer diam]

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
Flame resistance	IEC 60332-3-24 Cat.C , IEC 60332-3-22 Cat.A
Smoke emission	IEC 61034-1 & IEC 61034-2
UV-resistant	UL 1581, ISO 4892
Certification	DNV

Part No.	1092359
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Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
220	4.0
400	5.8
800	8.1
900	8.6
1800	12.7
1900	13.0
2000	13.4
2200	14.2
2500	14.9
5800	24.3

Structural return loss

MHz	dB
800 – 2500	14

Updated

Date	Rev.	Description
14.02.2018	1	Norms
26.04.2023	2	DNV-Certificate