

20117343 RG 58 C/U Marine

50 Ω
SHF1
DNV / ABS

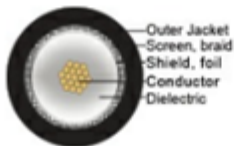
Application

Coaxial cable for ship- and offshore environments with excellent EMC properties for data transmission and antenna for mobile phones. Electrical data in compliance with MIL-C-17/F.



Construction

Conductor	Extra flexible tinned Cu 19 x 0.18 [mm]
Dielectricum	Low density PE 2.95 ± 0.10 [mm]
Screen	Al + polyester + Al tape 100 [% optical coverage]
Screen 2	Tinned Cu braid 93 [% optical coverage] 144 x 0.1 [mm]
Jacket	Black SHF1
O.D.	5.00 ± 0.10 [mm]
Weight	42 [kg/km]



Specifications

Operating temperature normal	-40 - +70
Characteristic impedance	50 ± 2 [Ω]
Braid Resistance	14 ± 4 [Ω/km]
Conductor resistance	36.5 ± 1.5 [Ω/km]
Capacitance	100 ± 2 [pF/m]
Velocity factor	0,66
Min. bending radius	5 [x outer diam]
Min. bending radius flexible	10 [x outer diam]



Direktronik AB | Box 234, 149 23 Nynäshamn | Besöksadress Konsul Johnsons väg 15 149 45 Nynäshamn
Telefon 08 52 400 700 | Fax | Epost info@direktronik.se | Org.nr 556281-9663 | Bankgiro 922-0179

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NEXLAN AS | Kokstadflaten 19 B, 5257 Kokstad | Besøksadresse Kokstadflaten 19 B 5257 Kokstad
Telefon 55 50 91 50 | Fax | E-post info@direktronik.no | Org.nr 986767215MVA | Bankgiro 36285556559

NO

Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1, IEC 60754-2
Design and testing standards	IEC 60096-0-1 Ed 3
Flame resistance	IEC 60332-3-22
Flame retardant	IEC 60332-1
Smoke emission	IEC 61034-1 & IEC 61034-2
UV-resistant	UL 1581, ISO 4892
Certification	DNV / ABS



Attenuation

Frequency (MHz)	Attenuation Max. (dB/100m)
5	3,0
10	4,0
50	9,4
100	13,0
200	18,6
300	23,3
500	31,2
600	34,7
800	41,0
1000	46,8
1350	56,6
1500	60,6
1750	66,9
2150	76,9
2250	78,4
2500	83,5
2750	86,5
3000	89,5



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Structural return loss dB

MHz	dB
30 - 300	> 28
300 - 600	> 27
600 - 1000	> 25
1000 - 2000	> 20
2000 - 3000	> 18

Screening effectiveness IEC 61196-1

MHz	dB
100 - 900	> 90
900 - 2000	> 80
2000 - 3000	> 70



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