

# RG 58 LSNH

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS  
IN ACCORDANCE TO : IEC 60092-359 IEC 60332-1-2 IEC 60332-3-22A  
IEC 60754-1 IEC 60754-2 IEC 60811-3-1 IEC 61034-2

# koax24



Order number 050235

CS 19 x 0,18 mm PE ø 2,95 mm LTA ø 3,05 mm CS ø 3,60 mm LSZH ø 5,00 mm



## MECHANICAL DATA

A	INNER CONDUCTOR	TINNED COPPER	19 x 0,18 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 15 mm
	- COVERAGE		100%
D	BRAID	TINNED COPPER	112 x 0,13 mm
	- COVERAGE		93%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 5,00 ± 0,20 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>## METER ## NEK KABEL WEEK/YEAR RG 58 CU MARINE SHF1 IEC 60332-3-22 CAT.A DNV-GL SC..... CE</b>	

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

### TEMPERATURE RANGE

-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	18,7
- PLASTIC	20,9
- TOTAL	41,0

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 2 Ohm	RESISTANCE	
		- INNER CONDUCT.	36,5 Ohm/Km
CAPACITANCE	100 pF/m	- BRAID	16,0 Ohm/Km
		TENSION	
VELOCITY RATIO	66%	- SHEATH	3,5 kV

### SPARK TESTING

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	3,0	
10	MHz	4,1	
30	MHz	7,5	
50	MHz	9,7	
150	MHz	16,4	
220	MHz	20,1	

### MAX. POWER RATING W

		dB	W
450	MHz	30,0	
600	MHz	35,4	
800	MHz	41,6	
900	MHz	44,5	
1000	MHz	47,5	
1500	MHz	60,9	

		dB	W
1800	MHz	68,1	
2000	MHz	73,3	
2500	MHz	85,1	
3000	MHz	91,3	
5200	MHz	-	
5800	MHz	-	

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>27	2000 ÷ 3000	MHz	>18
450 ÷ 1000	MHz	>25	3000 ÷ 4000	MHz	-
1000 ÷ 2000	MHz	>20	4000 ÷ 5800	MHz	-

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>80
2000 ÷ 3000	MHz	>70

The producer reserves himself to make modification on the item without any notice.