



# KOAX24 Litze24

KABELKONFEKTION

Bestellnummer / Ordernummer: 050235

## RG 58 SHF1

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS  
 IN ACCORDANCE TO : IEC 60092-359 IEC 60332-1-2 IEC 60332-3-24C  
 IEC 60754-1 IEC 60754-2 IEC 60811-3-1 IEC 61034-2

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



A B C D E

### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	TINNED COPPER	19 x 0,18 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 15 mm
	- COVERAGE		100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	112 x 0,13 mm
	- COVERAGE		93%
<b>E</b>	<b>SHEATH</b>	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 MM/YY RG 58 CU MARINE SHF1 DNV ..... SC..</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

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

### RESISTANCE

- INNER CONDUCT.	36,5 Ohm/Km
- BRAID	16,0 Ohm/Km

### TENSION

- SHEATH	3,5 kV
- SPARK TESTING	

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	3,0	
10	MHz	4,1	
50	MHz	9,7	
100	MHz	13,4	
200	MHz	19,0	
400	MHz	28,0	

### MAX. POWER RATING W

		dB	W
500	MHz	31,9	
600	MHz	35,4	
800	MHz	41,6	
1000	MHz	47,5	
1350	MHz	57,1	
1500	MHz	60,9	

		dB	W
1750	MHz	67,1	
2150	MHz	77,0	
2250	MHz	79,2	
2500	MHz	85,1	
2750	MHz	88,4	
3000	MHz	91,3	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>20
300 ÷ 600	MHz	>27	2000 ÷ 3000	MHz	>18
600 ÷ 1000	MHz	>25	..... ÷ .....	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.