



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 58 SHF1



DOUBLE SCREENED 50 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS
IN ACCORDANCE TO : IEC 60092-359 IEC 60332-1-2 IEC 60332-3-22/24
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**



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		ø 5,00 ± 0,20 mm
		THERMOPLASTIC FREE OF HALOGENS		
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## NEK KABEL SETT/ANNO RG 58 CU MARINE SHF1		
		IEC 60332-3-22/24 CAT.A DNV SC..... CE		

MINIMUM BENDING RADIUS (mm)

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

CABLE WEIGHT (Kg/Km)

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

TEMPERATURE RANGE -40 °C / +80 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT.	36,5 Ohm/Km
- BRAID	12,0 Ohm/Km

TENSION

- 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	>95
900 ÷ 2000	MHz	>90
2000 ÷ 3000	MHz	>80

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