



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 59 SHF1

75 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

CW	PE	LTA	CU	LSZH
ø 0,58 mm	ø 3,70 mm	ø 3,80 mm	ø 4,40 mm	ø 6,20 mm



MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	ø 0,58 ± 0,025 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 3,70 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 18 mm
	- COVERAGE		100%
D	BRAID	PLAIN COPPER	120 x 0,15 mm
	- COVERAGE		93%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 6,20 ± 0,20 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## NEK KABEL WEEK/YEAR RG 59 BU MARINE SHF1 IEC 60332-3-22 CAT.A DNV-GL SC..... CE	

MINIMUM BENDING RADIUS (mm)

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

CABLE WEIGHT (Kg/Km)

- COPPER	22,4
- PLASTIC	33,1
- TOTAL	57,2

TEMPERATURE RANGE -30 °C / +70 °C

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	154 Ohm/Km
CAPACITANCE	67 pF/m	- BRAID	9 Ohm/Km
VELOCITY RATIO	66%	TENSION	
		- SHEATH	4,5 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,4	
10	MHz	3,0	
50	MHz	6,8	
100	MHz	10,0	
200	MHz	14,2	
400	MHz	20,5	

MAX. POWER RATING W

		dB	W
500	MHz	23,5	
600	MHz	25,7	
800	MHz	30,2	
1000	MHz	34,2	
1350	MHz	40,3	
1500	MHz	43,4	

		dB	W
1750	MHz	47,7	
2150	MHz	54,1	
2250	MHz	55,0	
2500	MHz	58,1	
2750	MHz	61,3	
3000	MHz	65,9	

STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>29	2150 ÷ 3000	MHz	>14
470 ÷ 860	MHz	>26	3000 ÷ 4500	MHz	-
860 ÷ 2150	MHz	>18	4500 ÷ 6000	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.