



FABBRICA CAVI - ANTENNE - ACCESSORI TV



RG 6 SHF1



DOUBLE SCREENED 75 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS
IN ACCORDANCE TO : IEC 60092-359 IEC 60332-1-2 IEC 60332-3-22/24
IEC 60754-1 IEC 60754-2 IEC 60811-3-1 IEC 61034-2

CW **PE** **LTA** **CA** **CU** **LSZH**
 ø 0,72 mm ø 4,70 mm ø 4,80 mm ø 5,45 mm ø 6,10 mm ø 8,50 mm



MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	.....	ø 0,72 ± 0,025 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	.....	ø 4,70 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE		h. 20 mm
		- COVERAGE	.....	100%
D	BRAID	SILVERED COPPER	.....	144 x 0,16 mm
		- COVERAGE	.....	97%
E	BRAID	PLAIN COPPER	.....	144 x 0,16 mm
		- COVERAGE	.....	95%
F	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS		ø 8,50 ± 0,20 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	## METER ## NEK KABEL SETT/ANNO RG 6 AU 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

TEMPERATURE RANGE

-40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 64,6
- **PLASTIC** 57,4
- **TOTAL** 123,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 67 pF/m

VELOCITY RATIO 66%

RESISTANCE

- **INNER CONDUCT.** 97 Ohm/Km
- **BRAID** 3,3 Ohm/Km

TENSION

- **SHEATH** 6,0 kV
- **SPARK TESTING**

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,8	
10	MHz	2,4	
50	MHz	5,5	
100	MHz	7,8	
200	MHz	11,2	
400	MHz	16,2	

MAX. POWER RATING W

		dB	W
500	MHz	18,3	
600	MHz	20,3	
800	MHz	23,8	
1000	MHz	27,2	
1350	MHz	32,2	
1500	MHz	34,5	

		dB	W
1750	MHz	37,7	
2150	MHz	43,2	
2250	MHz	44,0	
2500	MHz	46,7	
2750	MHz	49,2	
3000	MHz	52,9	

STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>25	2150 ÷ 3000	MHz	>15
470 ÷ 860	MHz	>22	3000 ÷ 4500	MHz	-
860 ÷ 2150	MHz	>18	4500 ÷ 6000	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.