



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# AR 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**

<b>CW</b> ø 0,72 mm	<b>PE</b> ø 4,70 mm	<b>LTA</b> ø 4,80 mm	<b>CA</b> ø 5,45 mm	<b>CU</b> ø 6,10 mm	<b>LSZH</b> ø 8,50 mm	<b>FE-ZN</b> ø 9,50 mm	<b>LSZH</b> ø 11,50 mm
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## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	COPPERWELD	ø 0,72 ± 0,025 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 4,70 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE - COVERAGE	h. 20 mm 100%
<b>D</b>	<b>BRAID</b>	SILVERED COPPER - COVERAGE	144 x 0,16 mm 97%
<b>E</b>	<b>BRAID</b>	PLAIN COPPER - COVERAGE	144 x 0,16 mm 95%
<b>F</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS <b>BLACK - RAL 9004</b>	ø 8,50 ± 0,20 mm
	- COLOUR		
<b>G</b>	<b>ARM</b>	ZINC-PLATED STEEL - COVERAGE	120 x 0,24 mm 88%
<b>H</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS <b>BLACK - RAL 9004</b>	ø 11,50 ± 0,40 mm
	- COLOUR		
	- PRINTING		

## METER ## NEK KABEL SETT/ANNO RG 6 AU MARINE SHF1 ARMoured  
 75 OHM IEC 60332-3-22/24 CAT.A DNV SC.... CE

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10
<b>TEMPERATURE RANGE</b>	-40 °C / +80 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	64,6
- PLASTIC	109,3
- TOTAL	227,8

## 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 SPARK TESTING	6,0 kV
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### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
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

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

		<b>dB</b>	<b>W</b>
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.