

RG 12 AU-ZH

75 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS
IN ACCORDANCE TO : IEC 60754-1 IEC 60754-2 IEC 61034-2

CS	PE	CU	Pet	LSZH	FE-ZN	LSZH
7 x 0,40 mm	ø 7,25 mm	ø 8,00 mm	h. 27 mm	ø 10,3 mm	ø 11,30 mm	ø 14,30 mm



A | B | C | D | E | F | G

MECHANICAL DATA

A	INNER CONDUCTOR	TINNED COPPER	7 x 0,40 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
C	BRAID	PLAIN COPPER - COVERAGE	192 x 0,18 mm 97%
D	NON-MIGRATING	POLYESTER TAPE	h. 27 mm
E	1° SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS - COLOUR	ø 10,3 ± 0,18 mm BLACK - RAL 9004
F	ARM	ZINC-PLATED STEEL - COVERAGE	144 x 0,24 mm 85%
G	2° SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS - COLOUR - PRINTING	ø 14,30 ± 0,20 mm BLACK - RAL 9004

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	57,0
- PLASTIC	184,1
- TOTAL	303,8

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 67 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT.	20,5 Ohm/Km
- BRAID	4,4 Ohm/Km

TENSION

- SHEATH	7,5 kV
- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,2	
10	MHz	1,7	
50	MHz	4,2	
100	MHz	6,2	
200	MHz	9,3	
400	MHz	13,8	

MAX. POWER RATING W

		dB	W
500	MHz	15,5	
600	MHz	17,1	
800	MHz	20,5	
1000	MHz	23,4	
1350	MHz	30,2	
1500	MHz	32,5	

		dB	W
1750	MHz	36,6	
2150	MHz	42,5	
2250	MHz	43,1	
2500	MHz	45,8	
2750	MHz	47,6	
3000	MHz	50,1	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>30	1000 ÷ 2000	MHz	>22
300 ÷ 600	MHz	>27	2000 ÷ 3000	MHz	>20
600 ÷ 1000	MHz	>25 ÷	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>70
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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