



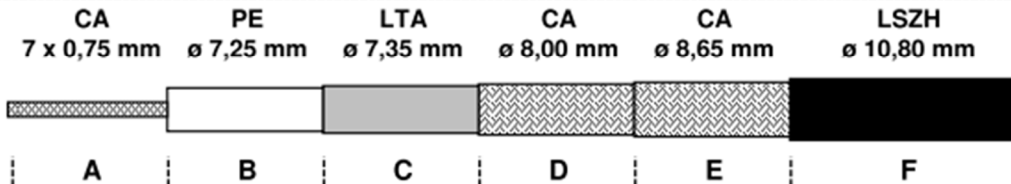
KOAX24 Litze24

KABELKONFEKTION

Bestellnummer / Ordernummer: 050236

RG 214 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 60332-3-24C
 IEC 60754-1 IEC 60754-2 IEC 60811-3-1 IEC 61034-2



MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPER	7 x 0,75 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 29 mm
	- COVERAGE		100%
D	BRAID	SILVERED COPPER	144 x 0,16 mm
	- COVERAGE		94%
E	BRAID	SILVERED COPPER	168 x 0,16 mm
	- COVERAGE		98%
F	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,80 ± 0,20 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	## METER ## NEK KABEL MM/YY RG 214 U MARINE SHF1 DNV SC...	

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10
TEMPERATURE RANGE	-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER	119,7
- PLASTIC	87,3
- TOTAL	211,5

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 2 Ohm	RESISTANCE	
CAPACITANCE	100 pF/m	- INNER CONDUCT.	6,0 Ohm/Km
VELOCITY RATIO	66%	- BRAID	4,0 Ohm/Km
		TENSION	
		- SHEATH	5,5 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,1	
10	MHz	1,5	
50	MHz	3,8	
100	MHz	5,5	
200	MHz	8,0	
400	MHz	11,6	

MAX. POWER RATING W

		dB	W
500	MHz	13,2	
600	MHz	14,5	
800	MHz	17,0	
1000	MHz	19,6	
1350	MHz	23,6	
1500	MHz	24,7	

		dB	W
1750	MHz	27,2	
2150	MHz	30,7	
2250	MHz	31,5	
2500	MHz	33,9	
2750	MHz	36,1	
3000	MHz	37,8	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>22
300 ÷ 600	MHz	>26	2000 ÷ 3000	MHz	>20
600 ÷ 1000	MHz	>25 ÷	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>77

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