

# RF 240 LSNH

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE  
IN ACCORDANCE TO : IEC 60754-1 IEC 60754-2 IEC 61034-2

# koax24



Order number **050232**

Class CPR **E<sub>ca</sub>**

CU      PEE      LAS      CS      LSZH  
 ø 1,40 mm    ø 3,80 mm    ø 3,90 mm    ø 4,40 mm    ø 6,10 mm



|| A || B || C || D || E ||

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	<b>ø 1,40 mm</b>
<b>B</b>	<b>DIELECTRIC</b>	FOAM POLYETHYLENE	.....	<b>ø 3,80 ± 0,10 mm</b>
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE		<b>h. 15 mm</b>
		- COVERAGE	.....	<b>100%</b>
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	<b>112 x 0,12 mm</b>
		- COVERAGE	.....	<b>80%</b>
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS		<b>ø 6,10 ± 0,10 mm</b>
	- COLOUR	<b>BLACK - RAL 9004</b>		
	- PRINTING	RF 240 LTA-ZH 50 OHM    LOW LOSS CABLE    LSZH 1,40 / 3,80 / 6,10		
		MADE IN ITALY CE 56 WEEK/YEAR    EN 50575:2014 + A1:2016 Eca		

### 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      25,9
- PLASTIC      26,0
- TOTAL      53,7

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	50 ± 3 Ohm	<b>RESISTANCE</b>	
		- INNER CONDUCT.	11,5 Ohm/Km
<b>CAPACITANCE</b>	80 pF/m	- BRAID	14,5 Ohm/Km
		<b>TENSION</b>	
<b>VELOCITY RATIO</b>	84%	- SHEATH	4,5 kV
		<b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	1,9	3536
10	MHz	2,7	2500
30	MHz	4,4	1443
50	MHz	5,6	1118
150	MHz	9,5	645
220	MHz	11,7	533

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
450	MHz	17,4	373
600	MHz	20,2	323
800	MHz	23,5	280
900	MHz	24,7	264
1000	MHz	26,4	250
1500	MHz	32,9	204

		<b>dB</b>	<b>W</b>
1800	MHz	36,4	186
2000	MHz	39,1	177
2500	MHz	43,8	158
3000	MHz	48,6	144
5200	MHz	67,4	110
5800	MHz	71,8	104

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>25
450 ÷ 1000	MHz	>20
1000 ÷ 2000	MHz	>17

### SCREENING EFFECTIVENESS dB

2000 ÷ 3000	MHz	>16	100 ÷ 900	MHz	>95
3000 ÷ 4000	MHz	>15	900 ÷ 2000	MHz	>85
4000 ÷ 5800	MHz	>11	2000 ÷ 3000	MHz	>75

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