



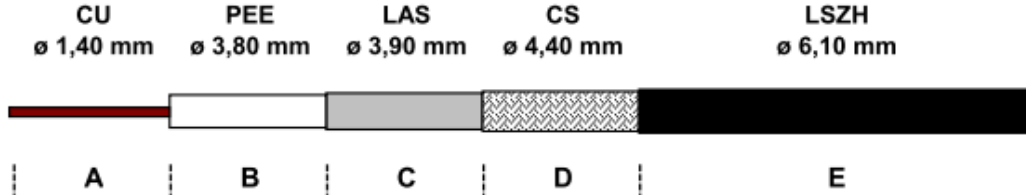
KOAX24 Litze24

KABELKONFEKTION

Bestellnummer / Ordernummer: 050232

RF 240 LTA-ZH

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	\varnothing 1,40 mm
B	DIELECTRIC	FOAM POLYETHYLENE	.....	\varnothing 3,80 \pm 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE		h. 15 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	112 x 0,12 mm
		- COVERAGE	.....	80%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS		\varnothing 6,10 \pm 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING			

MINIMUM BENDING RADIUS (mm)

- SINGLE \varnothing EXTERNAL X 5
- REPEATED \varnothing 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

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

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,9	3536
10	MHz	2,5	2500
50	MHz	5,7	1118
100	MHz	7,8	791
200	MHz	11,1	559
400	MHz	16,2	395

MAX. POWER RATING W

		dB	W
500	MHz	18,1	354
600	MHz	20,0	323
800	MHz	23,5	280
1000	MHz	26,0	250
1350	MHz	31,4	215
1500	MHz	32,9	204

		dB	W
1750	MHz	36,0	189
2150	MHz	40,4	170
2250	MHz	40,8	167
2500	MHz	43,7	158
2750	MHz	45,9	151
3000	MHz	49,9	144

STRUCTURAL RETURN LOSS dB

30 \div 300	MHz	>28	1000 \div 2000	MHz	>16
300 \div 600	MHz	>24	2000 \div 3000	MHz	>15
600 \div 1000	MHz	>19	..... \div .....	MHz	-

SCREENING EFFECTIVENESS dB

100 \div 900	MHz	>95
900 \div 2000	MHz	>85
2000 \div 3000	MHz	>75

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