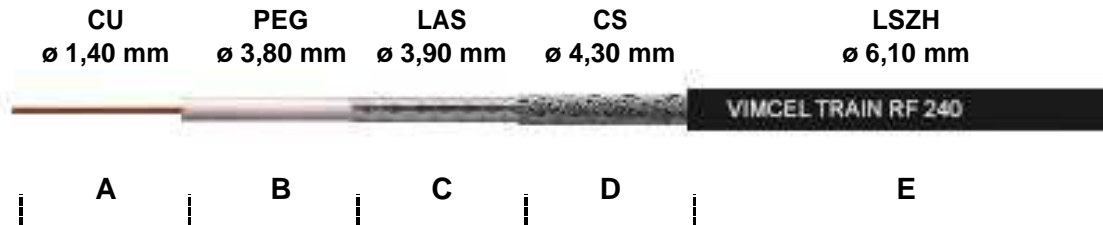




TRAIN RF 240

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	ø 1,40 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	...	ø 3,80 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE		h. 15 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	128 x 0,10 mm
		- COVERAGE	.....	77%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	.....	ø 6,10 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	VIMCEL TRAIN RF 240		

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

TAMPERATURE RANGE

-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER	23,3
- PLASTIC	26,7
- TOTAL	51,8

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ±1,5 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCTOR	11,5 Ohm/Km
- BRAID	16,2 Ohm/Km

TENSION

- SHEATH	4,5 kV
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SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1.8	3536
10	MHz	2.5	2500
30	MHz	4.1	1443
50	MHz	5.2	1118
150	MHz	8.9	645
220	MHz	10.9	533

MAX. POWER RATING W

		dB	W
400	MHz	15.2	373
600	MHz	18.7	323
800	MHz	21.9	280
900	MHz	22.9	264
1000	MHz	24.5	250
1500	MHz	30.8	204

		dB	W
1800	MHz	34.1	186
2000	MHz	36.7	177
2500	MHz	40.9	158
3000	MHz	45.5	144
5200	MHz	63.4	110
5800	MHz	67.6	104

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>32	2000 ÷ 3000	MHz	>23
450 ÷ 1000	MHz	>29	3000 ÷ 4000	MHz	>21
1000 ÷ 2000	MHz	>26	4000 ÷ 5800	MHz	>12

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75

November 2019

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