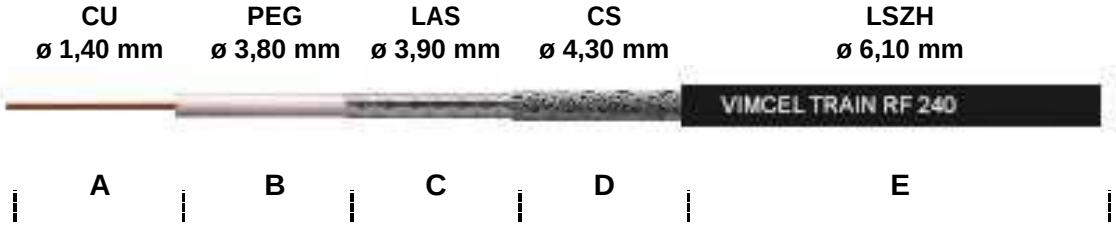
TRAIN CERTIFIED

TRAIN RF 240

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

Classified for:
ISO 14572-2011-10 §5.21
ISO 6722-1:2011, §5.22
UN/ECE-R118:2012, §6.2.6
Train classified for:
DIN EN 60322-1-2:2017-06
DIN EN 60322-3-25:2019-05
DIN EN 61034-2-2014-11



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 RETARTDANT 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 CONDUCTO 11,5** Ohm/Km
- **BRAID** 16,2 Ohm/Km

TENSION

- **SHEATH** 4,5 kV

SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1.7	3536
10	MHz	2.5	2500
30	MHz	4.3	1443
50	MHz	5.5	1118
150	MHz	9.3	645
220	MHz	11.5	533

MAX. POWER RATING W

		dB	W
450	MHz	17.0	373
600	MHz	19.7	323
800	MHz	23.0	280
900	MHz	24.4	264
1000	MHz	26.0	250
1500	MHz	32.5	204

		dB	W
1800	MHz	35.9	186
2000	MHz	38.7	177
2500	MHz	43.0	158
3000	MHz	47.5	144
5200	MHz	61.9	110
5800	MHz	65.2	104

STRUCTURAL RETURN LOSS dB

30	÷ 450	MHz	>28	2000 ÷ 3000	MHz	>16
450	÷ 1000	MHz	>24	3000 ÷ 4000	MHz	>15
1000	÷ 2000	MHz	>19	4000 ÷ 5800	MHz	0

SCREENING EFFECTIVENESS dB

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

March 2019

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

VIMCOM AG Trockenloostrasse 29, 8105 Regensdorf
Tel. 0041 44 751 77 00 Fax 0041 44 751 77 10 Home page: http://www.vimcom.ch E-mail: info@vimcom.ch