VIMCOM®

TRAIN CERTIFIED

TRAIN RF 400

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

CU	PEG	LAS	CS	LSZH
ø 2,74 mm	ø 7,25 mm	ø 7,35 mm	ø 7,95 mm	ø 10,30 mm

A B C D E

MECHANICAL DATA

A	**INNER CONDUCTOR**	PLAIN COPPER	**ø 2,74 mm**
B	**DIELECTRIC**	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE ...	**ø 7,25 ± 0,10 mm**
C	**SHIELD**	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	**h. 27 mm**
		- COVERAGE	**100%**
D	**BRAID**	TINNED COPPER	**192 x 0,15 mm**
		- COVERAGE	**90%**
E	**SHEATH**	FLAME RETARTDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS.....	**ø10,30± 0,18 mm**
	- COLOUR		**BLACK - RAL 9004**
	- PRINTING		**VIMCEL TRAIN RF 400**

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** 56,0
- **PLASTIC** 63,9
- **TOTAL** 123,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ±1,5 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- **INNER CONDUCTO** 4,7 Ohm/Km
- **BRAID** 5,0 Ohm/Km

TENSION

- **SHEATH** 6,0 kV

SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1.0	8202
10	MHz	1.3	5800
30	MHz	2.1	3349
50	MHz	2.8	2594
150	MHz	4.7	1498
220	MHz	5.7	1237

MAX. POWER RATING W

		dB	W
450	MHz	8.4	865
600	MHz	9.8	749
800	MHz	11.4	648
900	MHz	12.1	611
1000	MHz	12.8	580
1500	MHz	16.0	474

		dB	W
1800	MHz	17.7	432
2000	MHz	18.9	410
2500	MHz	21.1	367
3000	MHz	23.4	335
5200	MHz	32.7	254
5800	MHz	34.7	241

STRUCTURAL RETURN LOSS dB

30	÷ 450	MHz	>27	2000 ÷ 3000	MHz	>22
450	÷ 1000	MHz	>26	3000 ÷ 4000	MHz	>21
1000	÷ 2000	MHz	>23	4000 ÷ 5800	MHz	0

SCREENING EFFECTIVENESS dB

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

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

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