VIMCOM®

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
EN 50305 Abs.9.1.2:2008-02
DIN EN 61034-2-2014-11

TRAIN CERTIFIED

TRAIN RF 195

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

CU	PEG	LAS	CS	LSZH
ø 0,95 mm	ø 2,80 mm	ø 2,90 mm	ø 3,30 mm	ø 5,00 mm

A	B	C	D	E

MECHANICAL DATA

A	**INNER CONDUCTOR**	PLAIN COPPER	**ø 0,95 mm**
B	**DIELECTRIC**	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE ...	**ø 2,80 ± 0,10 mm**
C	**SHIELD**	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	**h. 12 mm**
		- COVERAGE	**100%**
D	**BRAID**	TINNED COPPER	**144 x 0,10 mm**
		- COVERAGE	**94%**
E	**SHEATH**	FLAME RETARTDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS.....	**ø 5,00 ± 0,10 mm**
	- COLOUR		**BLACK - RAL 9004**
	- PRINTING		**VIMCEL TRAIN RF 195**

MINIMUM BENDING RADIUS (mm)		**CABLE WEIGHT (Kg/Km)**	
- **SINGLE**	ø EXTERNAL X 5	- **COPPER**	16.9
- **REPEATED**	ø EXTERNAL X 10	- **PLASTIC**	20.2
TAMPERATURE RANGE	-30 °C / +70 °C	- **TOTAL**	38.6

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ±1,5 Ohm	**RESISTANCE**	
		- **INNER CONDUCTO**	25,2 Ohm/Km
CAPACITANCE	84 pF/m	- **BRAID**	11,9 Ohm/Km
		TENSION	
VELOCITY RATIO	80%	- **SHEATH**	4,5 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2.8	1980
10	MHz	3.8	1400
30	MHz	6.5	808
50	MHz	8.4	626
150	MHz	13.6	361
220	MHz	16.4	298

MAX. POWER RATING W

		dB	W
450	MHz	24.0	209
600	MHz	28.0	181
800	MHz	32.8	157
900	MHz	34.9	151
1000	MHz	37.1	140
1500	MHz	46.4	114

		dB	W
1800	MHz	51.3	104
2000	MHz	54.7	99
2500	MHz	61.6	89
3000	MHz	67.5	81
5200	MHz	91.5	61
5800	MHz	96.5	58

STRUCTURAL RETURN LOSS dB

30	÷ 450	MHz	>26	2000 ÷ 3000	MHz	>16
450	÷ 1000	MHz	>23	3000 ÷ 4000	MHz	>15
1000	÷ 2000	MHz	>21	4000 ÷ 5800	MHz	0

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>80
2000 ÷ 3000	MHz	>70

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

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