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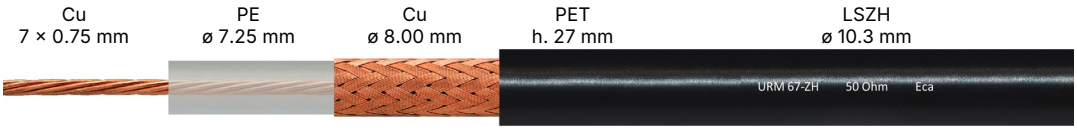
TECHNICAL DATASHEET

210-642-000 URM67/RG213 50 Ohm coax LSZH

50 Ohm RF coaxial cable, LSZH sheath

Compliance: IEC 60754-1 | IEC 60754-2 | IEC 61034-2

Class CPR E_{ca}



MECHANICAL DATA

A	**Inner conductor**	Plain copper	7 × 0.75 mm
B	**Dielectric**	Low density polyethylene	ø 7.25 ± 0.18 mm
C	**Braid**	Plain copper Coverage	192 × 0.18 mm 98%
D	**Non-migrating**	Polyester tape	h. 27 mm
E	**Sheath**	Flame retardant, non-corrosive thermoplastic, free of halogens	ø 10.3 ± 0.18 mm
	Colour	Black, RAL 9004	
	Printing	M17/74-RG213 MIL-C-17G URM 67-ZH 50 Ohm LSZH MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

Minimum bending radius		Cable weight	
Single	ø external x 5	**Copper**	79.9 kg/km
Repeated	ø external x 10	**Plastic**	86.1 kg/km
Temperature range	-40 °C to +80 °C	**Total**	166.0 kg/km

ELECTRICAL PROPERTIES AT 20 °C

Impedance	50 ± 3 Ohm	**Operating voltage**	≤ 5 kV
Capacitance	100 pF/m	**Test voltage (50 Hz / 1 min)**	≤ 10 kV
Velocity ratio	66%	**Sheath spark test voltage**	5.5 kV
Resistance, inner conductor	6 Ohm/km		
Resistance, braid	4.4 Ohm/km		

ATTENUATION AND MAXIMUM POWER RATING

MHz	dB/100 m	Max. W	MHz	dB/100 m	Max. W	MHz	dB/100 m	Max. W
5	1.2	2970	450	14.8	313	1800	34.2	157
10	1.8	2100	600	16.9	271	2000	36.8	148
30	3.3	1212	800	20.4	235	2500	42.7	133
50	4.3	939	900	21.6	221	3000	48.9	121
150	8.2	542	1000	23.1	210	5200	77.0	92
220	10.0	448	1500	30.3	171	5800	84.0	87

STRUCTURAL RETURN LOSS AND SCREENING EFFECTIVENESS

Structural return loss				Screening effectiveness	
30–450 MHz	> 28 dB	2000–3000 MHz	> 25 dB	100–900 MHz	> 57 dB
450–1000 MHz	> 27 dB	3000–4000 MHz	> 22 dB		
1000–2000 MHz	> 26 dB	4000–5800 MHz	> 16 dB		

VDC Trading Ltd reserves the right to modify product specifications without notice.

Main agent for Van Damme products

THE ROUTE OF LEAST RESISTANCE

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