



RF 400 Light

Low loss coax, double shielded

LSZH

Corresponding LMR 400

50Ω

Application

Double shielded 50Ω RF coaxial cable. The cable has a halogen-free and flame-retardant jacket.
Field of application communication, data, telecommunications and radio signals. Efficient and practical design for lower cost and easy installation, corresponding LMR 400



Construction

Conductor	Solid Copper-clad Al 2,74 [mm]
Dielectricum	Cellular PE 7,25 ± 0,18 [mm]
Fire barrier each conductor	192 x 0,15 [mm]
Screen	Al + polyester + Al tape 100 [% optical coverage]
Screen 2	Tinned Cu-braid 90 [% optical coverage]
Jacket	Black Halogen free and flameretardant compound
O.D.	10,30 ± 0,18 [mm]
Weight	124 ± 0.5 [kg/km]

Specifications

Operating temperature normal	-40 – +75 [°C]
Screen resistance	5 [Ω/km]
Impedance at 100MHz	50 ± 3 [Ω]
Conductor resistance	4,7 [Ω/km]
Test voltage	8,5 [kV]
Capacitance	80 [pF/m]
Velocity factor	0,84
Min. bending radius flexible	10 [x outer diam]
Min. bending radius installed	5 [x outer diam]



Part No.	1092432
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Norms

Halogenfree, max content corrosive and toxic gases	IEC 60754-1 & IEC 60754-2
Design and testing standards	IEC 60092-353 IEC 61196-1-100
Flame retardant	IEC 60332-1-2
Smoke emission	IEC 61034-1 & IEC 61034-2

Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	0,9
10	1,2
50	2,5
100	3,6
200	5,3
400	7,9
500	9,0
600	10,0
800	11,7
1000	13,2
1350	15,8
1500	16,6
1750	18,7
2150	20,6
2250	22,6
2750	23,8
3000	25,1

Structural return loss

MHz	dB
30 – 300	>29
300 – 600	>26
600 – 1000	>24
1000 – 2000	>19
2000 – 3000	>18



Screen effectiveness IEC 61196-1

MHz	dB
100 – 900	>95
900 – 2000	>85
2000 – 3000	> 75

Updated

Date	Rev.	Description
29.11.2017	1	Kompletterende tekniske data