



RF 400 Flex LSZH

Flexible low-loss coax (LMR equivalent)
50Ω

Application

Flexible, halogen-free and flame-retardant, double-shielded low-loss coax for use in communications, telecommunications and broadcasting industry. It is also an ideal cable for cable network interconnects for Low Loss, LF and UHF transmission. Large selection of connectors that are available, makes it possible to use the cable in a wide range in the ever-growing RF world. The cable is UV resistant. The cable is similar to LMR 400 and Ecoflex 10

Construction

Conductor	Stranded plain Cu class 2 7 x 1.00 [mm]
Dielectricum	Cellular PE $\varnothing = 7.25 \pm 0.10$ [mm]
Screen	Cu + polyester tape 100 [% optical coverage]
Screen 2	Cu- braid 73 [% optical coverage] 112 x 0.16 [mm]
Jacket	Black LSZH-compound UV-resistant
O.D.	10.3 ± 0.18 [mm]
Weight	145 [kg/km]



Specifications

Operating temperature normal	-30 – +70 [°C]
Screen resistance	7.5 [Ω /km]
Conductor resistance	3.5 [Ω /km]
Capacitance	80 [pF/m]
Impedance	50 ± 3 [Ω]
Velocity factor	84 [%]
Attenuation	Se tabell
Min. bending radius	5 [x outer diam]

Part No.	1092415
----------	---------





Attenuation nominal, max 105%

Frequency MHz	Attenuation dB/100m
5	1,3
10	1,5
50	3,0
100	4,2
200	6,1
300	7,7
500	10,4
600	11,4
800	13,4
1000	15,0
1350	18,0
1500	18,9
1750	21,3
2150	23,4
2250	24,1
2500	25,7
2750	27,1
3000	28,7

Structural return loss

MHz	dB
30 - 300	>25
300 - 600	>22
600 - 1000	>20
1000 - 2000	>16
2000 - 3000	>14

Screen effectiveness IEC 61196-1

MHz	dB
100 - 900	>80
900 - 2000	>70
2000 - 3000	>60