

# 240 Low Loss Flexible Communication Coax - 75 Ohm LSZH FireFighter®

## Cable Design

<b>Inner Conductor</b>	Plain copper wire	Ø 0,80 mm
<b>Dielectric</b>	Gas injected foam polyethylene	Ø 3,65 ± 0,10 mm
<b>Shield</b>	Aluminium/Polyester/Aluminium tape	Ø 3,75 ± 0,10 mm
Coverage	100 %	
<b>Braid</b>	Tinned copper wire braid	Ø 4,35 ± 0,10 mm
Coverage	96 %	
<b>Outer Jacket</b>	LSZH FireFighter® UV-resistant	Ø 6,00 ± 0,10 mm



## Mechanical and Thermal Characteristics

Operating Temperature	-25° C up to +80° C
Weight	54,0 kg/km
Min. Bending Radius	single 5 x Ø, repeated 10 x Ø
Fire Behaviour	IEC 60332-1, IEC 60332-3-24, IEC 60754, IEC 61034

## Electrical Data

Impedance	75±3	Ohm
Capacitance	53	pF/m
Velocity Ratio	84	%
Inner Conductor Resistance	35	Ohm/km
Braid Resistance	9	Ohm/km
Tension Sheath Sparking Test	4,0	kV



## Attenuation

Frequency (MHz)	dB/100m	Frequency (MHz)	dB/100m	Frequency (MHz)	dB/100m
5	1,8	470	17,2	1500	32,9
10	2,4	600	19,9	1750	35,4
50	5,7	800	22,8	2150	39,8
100	8,0	862	23,9	2400	42,5
200	11,1	1000	26,2	2750	45,8
300	13,6	1350	30,7	3000	48,2

## Structural Return Loss

Frequency (MHz)	dB
30 - 470	> 33
470 - 862	> 30
862 - 2150	> 26
2150 - 3000	> 22

## Transfer Impedance

Frequency (MHz)	
5 - 30	< 5 mOhm/m
30 - 1000	> 90 dB
1000 - 2000	> 80 dB
2000 - 3000	> 70 dB

## Specification

Part Number	Type
240754	LSZH FireFighter®