

Part Number: 460054ELSF-BLK

Description: Cabnex 59 75ohm Coax LSF Black



**Product Construction**

Conductor Material	:	Copper Clad Steel
Conductor Stranding	:	Solid, 1/0.58mm
Dielectric Material	:	Solid Polyethylene (SPE)
Dielectric Diameter	:	3.75mm ± 0.10
Screening 1	:	Copper Clad Aluminium Wire Braid
Screening 1 Coverage	:	> 94% ± 3
Sheath Material	:	Low Smoke & Fume (LSF)
Sheath Colour	:	Black



**Mechanical Characteristics**

Overall Diameter	:	6.15mm ± 0.20mm
Temperature Range	Fixed	-20°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	47 kg/km

**Electrical Characteristics**

Inner Conductor DC Resistance	:	≤ 310 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 50 Ω/ km @ 20°C
Impedance	:	75 Ω ± 3
Nominal Capacitance	:	64 pF/m
Velocity of Propagation	:	66%

**Attenuation @20°C**

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
50	≤ 10.3 dB	1000	≤ 42.8 dB
100	≤ 12.6 dB	1200	≤ 48.9 dB
200	≤ 17.5 dB	1450	≤ 54.8 dB
500	≤ 27.5 dB	1750	≤ 60.5 dB
800	≤ 36.8 dB	2000	≤ 68.4 dB

**Return Loss @ 20°C**

Frequency (MHz)	Return Loss
5MHz - 470MHz	≥ 20 dB
470MHz - 2200MHz	≥ 19 dB

**Certifications & Standards**

Flame Retardancy	:	BS EN 60332-1-2
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Eca to BS EN 50575:2014+A1:2016

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