

ANT240 50 Ω LSHF



Construction

Conductor Material	: Solid Bare Copper
Conductor Size	: 1/1.42 mm
Dielectric	: Foam Polyethylene (FPE)
Diameter of Dielectric	: 3.81 mm
1 st Screen Material	: Bonded Aluminium Foil
2 nd Screen Material	: Tinned Copper Wire Braid (>90% Coverage)
Outer Sheath Material	: Low Smoke Halogen Free (LSHF)
Outer Sheath Colour	: Black

Electrical Characteristics

Impedance	: 50 Ω ± 2
Capacitance @ 1 kHz	: 80 pF/m ± 5
Velocity of Propagation	: 83 %
Conductor Resistance @ 20°C	: ≤ 11.1 Ω /km
Screen Resistance @ 20°C	: ≤ 12.8 Ω /km
Peak Power	: 5.6 kW

Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
30	1.5	4.9
50	1.8	6.0
150	2.9	9.6
220	3.5	11.5
450	5.1	16.8
900	7.4	24.3

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
1500	9.7	31.8
1800	10.7	35.0
2000	11.3	37.0
2500	12.7	41.8
5800	20.0	65.5

Return Loss @ 20°C

Frequency (MHz)	Return Loss (dB)
30-3000MHz	≥ 15

Physical Characteristics

Overall Diameter	: 6.1 mm (±0.15mm)
Bending Radius	: 5 x OD
Temperature Rating	: -40°C to +75°C
Weight	: 50 kg/km

Standards

Flame Retardant	: BS EN 60332-1-2
Low Smoke Generation	: BS EN 61034-2
Halogen Gas Emission	: BS EN 60754-1&2
RoHS3 Compliant	: Yes
UV & Weather Resistant	: ISO 4892-3
CE Compliant	: CPR (305/2011)
CPR Classification	: Eca (EN50575:2014+A1:2016)



Unit 14 Winterbeck Ind Est, Orston Lane, Bottesford, Notts. NG13 0AU

Tel: 01949 860400

E-mail: sales@barenco.co.uk

www.barenco.co.uk