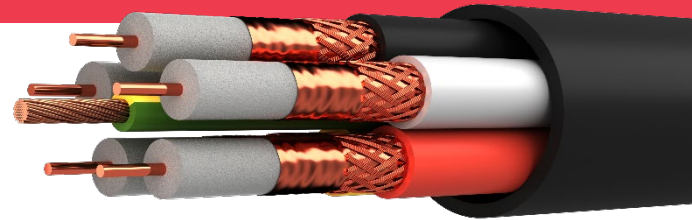


Technical Document
 WF125 5core + Earth 75ohm Coax
 LSF Black



Part Number: 600201E-BLK-LSF
 Description: WF125 5core + Earth 75ohm Coax
 Low Smoke & Fume (LSF) Black

Product Construction

Coaxial Cable x 5
 Conductor Material : Plain Annealed Copper
 Conductor Stranding : Solid, 1/1.25mm
 Dielectric Material : Foam Polyethylene (FPE)
 Dielectric Diameter : 5.75mm ± 0.10
 Screening 1 : Overall Plain Copper Foil >100%
 Screening 2 : Plain Copper Wire Braid > 60% ± 3
 Sheath Material : Low Smoke & Fume (LSF)
 Sheath Colours : Red, Yellow, White, Green, Black

Earth

Conductor Material : Plain Annealed Copper
 Conductor Stranding : 4mm², Class 5
 Insulation Material : Low Smoke & Fume (LSF)
 Insulation Colour : Green/Yellow

Overall Construction

Sheath Material : Low Smoke & Fume (LSF)
 Sheath Colour : Black

Mechanical Characteristics

Overall Diameter : 24.0mm ± 0.3mm
 Temperature Range Fixed : -15°C to +70°C
 Flexing : -5°C to +70°C
 Bend Radius : 10 x Overall Diameter
 Weight : 710 kg/km

Electrical Characteristics

Inner Conductor DC Resistance : ≤ 15.0 Ω/km @ 20°C
 Outer Conductor DC Resistance : ≤ 13.5 Ω /km @ 20°C
 Characteristic Impedance : 75 Ω ± 3
 Nominal Capacitance : 53 pF/m ± 3
 Velocity of Propagation : 84%

Attenuation @20°C

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
5	≤ 1.5 dB	860	≤ 15.5 dB
50	≤ 3.5 dB	1000	≤ 17.0 dB
100	≤ 5.0 dB	1750	≤ 22.0 dB
200	≤ 7.5 dB	2150	≤ 26.0 dB
460	≤ 11.5 dB		

Return Loss @ 20°C

Frequency (MHz)	Return Loss
5MHz - 470MHz	≥ 23 dB
470MHz - 862MHz	≥ 20 dB
862MHz - 2150MHz	≥ 18 dB



Certifications & Standards

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



Publication Date: 28/01/2023
 Revision Number: 2.0
 Written by: GB
 Authorised by: GB

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