

BD SD50 75ohm Medium SDI Video Cable LSNH Black



Part Number: 510024E-DB-SD50-BLK

Description: BD SD50 75ohm Medium SDI Video Cable LSNH Black

Product Construction

Conductor Material	:	Plain Annealed Copper
Conductor Stranding	:	Solid, 1/0.80mm
Dielectric Material	:	Foam Polyethylene (FPE)
Dielectric Diameter	:	3.70mm ± 0.10
Screening 1	:	Overall Aluminium Foil
Screening 1 Coverage	:	> 100%
Screening 2	:	Tinned Copper Wire Braid
Screening 2 Coverage	:	> 90% ± 3
Sheath Material	:	Low Smoke Non-Halogen (LSNH)
Sheath Colour	:	Black



Mechanical Characteristics

Overall Diameter	:	6.1mm ± 0.15mm	
Temperature Range	:	Fixed -15°C to +70°C	Flexing -5°C to +70°C
Bend Radius	:	10 x Overall Diameter	
Weight	:	52kg/km	

Electrical Characteristics

Inner Conductor DC Resistance	:	≤ 34.3 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 10.2 Ω/km @ 20°C
Insulation Resistance	:	5000 MΩ.km
Characteristic Impedance	:	75 Ω ± 3Ω
Nominal Capacitance	:	54 pF/m
Velocity of Propagation	:	82%

Attenuation @20°C

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
1	≤ 1.0	2000	≤ 35.8
5	≤ 2.1	2500	≤ 41.3
10	≤ 2.9	3000	≤ 44.0
50	≤ 5.3	3500	≤ 49.4
100	≤ 7.1	4000	≤ 52.9
500	≤ 17.5	4500	≤ 56.9
1000	≤ 25.1	6000	≤ 69.0
1500	≤ 30.5		

Return Loss @ 20°C

Frequency	Return Loss
5MHz – 800MHz	≥ 23
800MHz – 4500MHz	≥ 21

Certifications & Standards

Flame Retardancy	:	BS EN 60332-1-2
Low Smoke	:	BS EN 61034-2
Halogen Gas	:	BS EN 60754-1&2
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Eca to BS EN 50575:2014+A1:2016