



SDF10-BLK 75 Ohm SDI Video Cable

Mechanical Characteristics

Inner Conductor:	Bare Copper Stranded-7
Dielectric:	Foam PE
Screen 1:	Tinned Copper Wire Braid (Coverage 93% +/-3)
Screen 2:	Tinned Copper Wire Braid (Coverage 94% +/-4)
Sheath:	Black PVC
Conductor Diameter:	1.02mm +/-0.05
Min. Break Strength:	376N
Insulation Diameter:	4.57mm +/-0.15
Centricity:	≥85%
Adhesion:	10 To 100N @ 25mm
Sheath Diameter:	7.00mm +/-0.20
Adhesion:	40 To 100N @ 50mm
Min. Bending Radius:	26mm Installation 72mm Repeated
Max. Pulling Tension:	520N
Installation/Operating Temperature:	-30°C to +80°C
Storage Temperature:	-40°C to +80°C

*Cable image and colours are for illustration purposes only and may vary.

Electrical Characteristics

Impedance:	75Ω +/-3
Capacitance:	52pF/m
Velocity Ratio:	86%
Jacket Sparker:	4000VCA
Dielectric Strength:	1500VCA
Nominal Delay:	3.87ns/m
Insulation Resistance:	>5000MΩ·km
Dc Resistance Inner Conductor:	<24.2Ω/km
DC Resistance Outer Conductor:	<5.5Ω/km
Return Loss	5-850MHz: 20dB 851-4500MHz: 15dB

Application

Used for the transmission of uncompressed, unencrypted digital video signals for professional video equipment.

Attenuation

MHz	dB/100m
1	0.79
3.58	1.48
5	1.77
6	1.81
7	2.03
10	2.36
12	2.72
25	3.87
67.5	6.23
71.5	6.56
88.5	7.22
100	7.87
135	9.19
143	9.52
180	10.83
270	13.12
360	15.42
540	19.36
720	22.64
750	22.97
1000	26.90
1500	34.12
2000	40.36
2250	43.31
3000	51.18
4500	64.96
6000	74.50

