



CAT6A Hi-Flex Rugged 4 Pair 26AWG SFTP Shielded Stranded Black Cable - Pur Jacket - (Per Foot)

BK-C6AST-4AVS- Specifications

Description

This bulk Cat6a cable consists of 4 pairs of 26AWG stranded wires. It is a Hi-Flex bulk cable suitable for harsh environment and digital A/V applications.

Features:

Hi-Flex bulk cable

Ideally used for harsh environment applications and digital A/V applications

Physical Characteristics

Color	Black
Number of Pairs	4 Pairs
Wire Gauge	26AWG Stranded
Conductor Material	Stranded Tinned Copper
Stranding Count	7/34
UV Resistant Jacket	Yes
Jacket	Polyurethane
Overall Cable Diameter	0.239 inches (+/- 0.010)
Nominal Diameter	0.019 inches (Conductor)
	0.036 inches (Insulation)
	0.072 inches (Pairs)
	0.228 inches max (Jacket)
Temperature Rating	-40 deg C to 75 deg C



Electrical Characteristics (per 100m / per 328ft)

Mutual Capacitance	13.5 pf/ft. at 1 MHz
Minimum Dielectric Withstanding	1500V RMS
Max Voltage Rating	300V
Max D.C. Resistance	14.0 Ω /1000ft
Impedance	100 +/- 15 Ω 1 to 100 MHz
	100 +/- 20 Ω 100 to 500 Mh
Return Loss	1 \leq f < 10 MHz 20 + 5 log(f) dB MIN
	10 \leq f < 20 MHz 25 dB MIN
	20 \leq f \leq 500 MHz 25 - 8.6 log(f/20) dB MIN
Insertion Loss	1 \leq f \leq 500 MHz 1.5[1.82 \sqrt{f} + 0.0091(f) + 0.25/ \sqrt{f}] dB MAX
Delay	1 \leq f \leq 500 MHz 534 + 36/ \sqrt{f} ns MAX



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PS NEXT	$1 \leq f < 500$ MHz 42.3 - 15 log(f/100) min
NEXT	$1 \leq f < 500$ MHz 44.3 - 15 log(f/100) min
PSACRF	$1 \leq f < 500$ MHz 24.8 - 20 log(f/100) min
ACRF	$1 \leq f < 500$ MHz 27.8 - 20 log(f/100) min
Delay Skew	$1 \leq f \leq 500$ MHz < 45ns
TCL	$1 \leq f \leq 500$ MHz 30 - 10 log(f/100) dB MIN
ELTCTL	$1 \leq f \leq 30$ MHz 35 - 20 log(f) dB MIN
PSANEXT Loss (6 around 1)	$1 \leq f \leq 50$ MHz 67 dB MIN
	$50 \leq f \leq 500$ MHz 62.5 - 15 log(f/100) dB MIN
PSAFEXT (6 around 1)	$1 \leq f \leq 500$ MHz 38.2 - 20 log(f/100) dB MIN
Velocity of Propagation	68%

Environmental

RoHS Yes

Manufacturer Information

Quabbin Part Number 5919

Packaging Information

Package Quantity 1

Product Weight 0.03 lbs