



CAT5E Hi-Flex Rugged 4 Pair 24AWG UTP Stranded Black Cable - Pur Jacket - (Per Foot)

BK-C5EST-4AV- Specifications

Description

This bulk Cat5e cable consists of 4 pairs of 24AWG stranded wires. It is a Hi-Flex bulk cable suitable for harsh environments, applications requiring a rugged patch cord assembly, and for use in plug to plug channels.

Features:

- Hi-Flex bulk cable
- Ideally used for harsh environment applications
- Can also be used in applications requiring a rugged patch cord assembly and for use in plug to plug channels

Physical Characteristics

Color	Black
Number of Pairs	4 Pairs
Wire Gauge	24AWG Stranded
Conductor Material	Stranded Tinned Copper
Stranding Count	7/32
UV Resistant Jacket	Yes
Jacket	Polyurethane (Type 350B)
Bend Radius	1 inch for static bend
Nominal Diameter	0.024 inches (Conductor) 0.039 inches max (Insulation) 0.078 inches (Pairs) 0.228 inches max (Jacket)
Flex Life	1 million cycle test (10x cable O.D., minimum radius) 10 million cycle test (20x cable O.D., minimum radius)
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	26.0 Ω /1000ft
Impedance	100 +/- 15 Ω 1 to 100 MHz 100 +/- 20 Ω 100 to 350 Mh



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SRL	23 dB 1-20 MHz
	23 - 10 log(f/20) 20-100 MHz
Return Loss	1 - 10 MHz 20 + 5 log(f) db min
	10 - 20 MHz 25 db min
	20 - 100 MHz 25 - 8.6 log(f/20) db min
PS NEXT	1-100 MHz 64 - 15 log(f/.772) min
NEXT	1-100 MHz 67 - 15 log(f/.772) min
PS ELFEXT	1-100 MHz 63 - 20 log(f/.772) min
ELFEXT	1-100 MHz 66 - 20 log(f/.772) min
Attenuation per meter (Frequency)	0.036 (1.0)
	0.064 (4.0)
	0.09 (8.0)
	0.1 (10.0)
	0.13 (16.0)
	0.15 (20.0)
	0.16 (25.0)
	0.18 (31.25)
	0.26 (62.5)
	0.343 (100.0)

Environmental

RoHS Yes

Manufacturer Information

Quabbin Part Number 5700R

Packaging Information

Package Quantity 1

Product Weight 0.03 lbs