



# Product Specifications

## **DURACAT 6A-4**

**Kelsey Duracat6a-4** is a multi-way Cat6a heavy duty data multicore designed for use in the live entertainment and broadcast industries. This 4-way Cat6a U/FTP cable has been designed to be the back bone of data infrastructures typically used by sound, lighting and broadcast professionals. Each individual channel is a single Cat6a U/FTP data cable able to handle the demands of modern data transmissions. Each channel is colour coded making channel identification easy. Each channel can be fitted with standard Cat6a RJ45 connectors and boots or a range of professional solutions from manufactures like Neutrik and Harting. The design and materials used have been carefully selected to ensure a product that's flexible, durable and reliable.



Conductors		Outer Jacket	
Material	Bare Copper	Material	Black soft matt PVC
Size	0.56mm +/- 0.01	External Diameter	22.6mm +/- 1mm
Insulation		Channel Colours	
Material	Skin-Foam PE-Skin	Black, Blue, White, Grey	
Diameter	1.33mm +/-0.10 10x2C twist*4P	Technical Data	
Colours	Blue/White, Orange/White, Brown/White, Green/White	Max Conductor DC Resistance	20°C 85.6 Ω
Shielding	Al-Pet Shield (coverage> 115% on each pair)	Temperature Rating	Operating: -20°C to +60°C
Drain Wire	Tinned Copper 4.40mm +/- 0.008mm	Velocity Ratio	70%
Inner Jacket	OD 7.2mm (+/- 0.2mm)	Available on	500m drums RoHS Compliant

## TECHNICAL SPECIFICATIONS

Frequency (MHz)	Attenuation (dB/100m)	Next (dB)	PSNEXT (dB)	Return Loss (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100)	Impedance (Ω)
4	3.80	66.30	63.30	23.00	56.00	53.00	1-100MHz 100 +/- 15
10	5.90	60.30	57.30	25.00	48.00	45.00	100-250MHz 100 +/- 20
16	7.50	57.20	54.20	25.00	43.90	40.90	250-500MHz 100 +/- 25
31.25	10.50	52.90	49.90	23.60	38.10	35.10	
62.5	15.00	48.40	45.40	21.50	32.10	29.10	
100	19.10	45.30	42.30	20.10	28.00	25.00	
250	31.10	39.30	36.30	17.30	20.00	17.00	
500	45.30	34.80	31.80	17.30	14.00	11.00	

