



# Product Specifications

## COMBI 2

**Kelsey Combi 2** is a hybrid data and power cable designed for use within the live entertainment and broadcast industries. The Data part is a Cat6a U/FTP cable designed to be the back bone of data infrastructures typically used within the live entertainment, broadcast and lighting industries. The power section is a 3 core 2.5mm cable designed for max 240Vac 16amp depending on length. Both sections are individually jacketed allowing for easy termination. As part of the construction we have used fillers within the cable to maintain shape and prevent coiling after multiple uses. This product has been designed for professional use within the Sound, Lighting and Broadcast industries in applications where a combination data and power is needed, be it in field for an outside broadcast or as part of sound or lighting infrastructure at a festival.



## SPECIFICATIONS - U-FTP CAT6A

Conductors		Screen	
Material	Bare Copper 0.56mm (+/-0.10mm)	Material	AL/PET foil (coverage> 115% on each pair)
Insulation		Outer Jacket	
Material	Skin-Foam PE	Material	Soft PVC
Diameter	1.33 mm (+/-0.10mm) x 2C Twist	Colour	Black
Colour	Blue/White, Orange/White, Brown/White, Green/White	External Diameter	7.2mm (+/-0.2mm)

## 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	

## SPECIFICATIONS - POWER

Conductors		Outer Sheath	
Conductors Material	Flexible, bare, annealed copper conductors, stranded class 5 acc. to EN 60228	Material	Soft matt PVC, Black
Material	PVC	Test Voltage	> 2.5kV at 50Hz, effective for 1 minute
Diameter	3.0mm +/-0.10mm	Max Operating Voltage	300/500V
Colour	Brown, Blue and Green/Yellow		

## OTHER SPECIFICATIONS

Outer Jacket	Soft matt PVC Black - OD: 20.4mm
Minimum bending radius	5xO.D
Drum Sizes	500m, 100m, cut lengths



DTL, WA6 9JQ, UK  
17  
DOP REF: DoP170168  
BS EN 50575:2014+A1:2016  
CAT6A U/FTP + YY 3c x 2.5mm Video, voice, data transmission  
cable Reaction to Fire: Fca  
Dangerous substances: none 1291/0517 Black  
500m RoHS2(2011/65/EU)Compliant MIN-013