

# Hybrid cable for Data and Power

The **eurocable** 4CAT6SF cable contains 4 CAT6A and 5 wire 32A three-phase power conductors designed to address the growing demand for multiple Ethernet lines and power in one cable. When coupled with new LKG 40/4E5 connector, setup time for power and data runs is greatly reduced and reliability is greatly improved. With a single Stage/Front of House "safe connection", you may run MADI Tx/Rx and a Primary/Secondary Dante Network. Any combination of audio protocols, Streaming ACN, and Video are possible while proving 32 A 3-phase power to FOH. The 4 integral **eurocable** CAT6A cables supports gigabit signals over extended distances (typically 300ft or 90m as per the published standard)

*\*\*Please note that some digital audio protocols may permit longer distances than the ethernet standard allows and can be tested for specific manufacturer applications.*



MOBILE
JACKET COLOR ■
200 m/656 ft ON WOODEN REELS
IEC 60228, CEI EN 50363 (as far as applicable), UL 1581, UL 758, reference styles AWM 2464, ISO/IEC 11801, IEC 61156-5, EN 50173, EN 50288-11-1, EIA-TIA 568C.22

CVS LK4CAT6SF 10/5

	AWG 10	AWG 8	CAT6 SF UTP
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ELECTRICAL DATA				
D.C.R. at 20°C	<5.27 Ohm/km	<2.14 ohm/km	-	
Rated Voltage	300 V			
Test Voltage	1500 Vacx1"			
Nominal Impedance	-	-	100 Ohm	
Velocity of Propagation	-	-	67%	
GENERAL DATA				
Cable	O.D.	28.80 mm		
	Color	Black RAL 9005		
	Bending Radius	10 x O.D.		
	Operating temperature	-20°C/+80°C		
Overall Jacket	Material	PVC		
Jacket single type	Material	PVC	LSZH Thermoplastic Material	
	Shield	Material	Aluminium/polyester tape tinned copper braid	
Shield	Coverage	-	54%	
		-	78%	
Conductor	Qty	4	1	4 (4x2)
	Area/AWG	6 mm <sup>2</sup> /10	10 mm <sup>2</sup> /8	0.25 mm <sup>2</sup> /23
	Strand	168x0.20 mm cl.6	315x0.20 mm cl.6	1x0.57 mm
	Insul. O.D.	5 mm (nom)	7.5 mm (nom.)	8 mm (nom.)
	Material	Bare copper	Bare copper	Bare copper polyethylene insulated

**Snakes**

For further informations and configurations, see pages 58-59

**SNKG 4P Q \* M R**

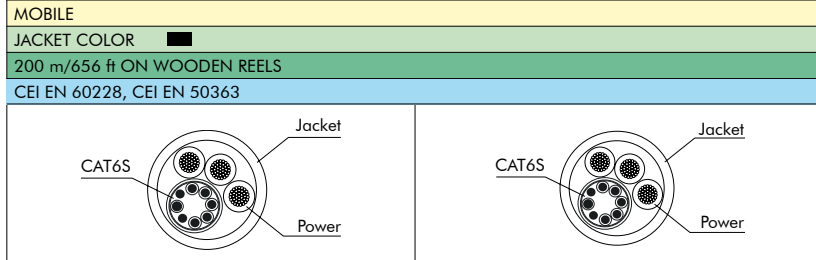
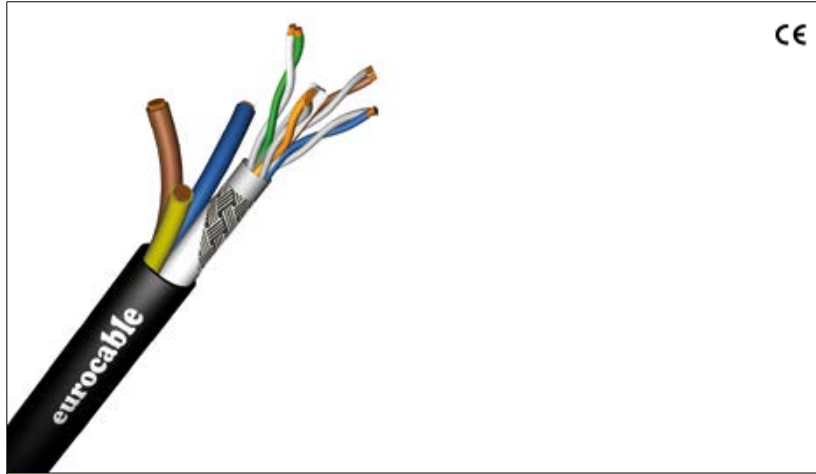
\* Length    Feet    M Meters

# Hybrid Cable for Data and Power

This **eurocable** hybrid cable 1 CAT6A cable + 1 Power line is designed to address the growing need to transmit Ethernet and power over one cable.

This cable includes 3x12 AWG (3,5 mm<sup>2</sup>) power wires plus one SF/UTP CAT6A signal over extended distances. (typically 300 ft. or 90 m as per the published standard)

Note: The maximum length stated references the furthest distance allowed while maintaining EIA/TIA 568.B.2 certification. Actual performance may be greater depending on the protocol.



MOBILE			
JACKET COLOR	■		
200 m/656 ft ON WOODEN REELS			
CEI EN 60228, CEI EN 50363			

ELECTRICAL DATA		CVS LK1CAT6SF 12/3	CAT6A	CVS LK1CAT6SF 16/3	CAT6A
D.C.R. at 20° C		< 5.2 ohm/Km	-	< 13.3 ohm/Km	-
Test voltage		2000 Vca x 1' cond/cond	-	2000 Vca x 1' cond/cond	-
		2000 Vca x 1' cond/shield	-	2000 Vca x 1' cond/shield	-
GENERAL DATA					
Cable	O.D.	15.30 mm		13.40 mm	
	Material	PVC (TM2)			
	Weight Kg/100m	33.70		23.80	
Shield	Material	-	I Aluminium polyester tape	-	I Aluminium polyester tape
		-	II Annealed tinned copper braid	-	II Annealed tinned copper braid
	O.D. wire	-	0.10 mm	-	0.10 mm
	Coverage	-	100%	-	100%
	Wrapping	-	> 80%	-	> 80%
Conductor	Single conductor O.D.	68 x 0.25 mm/12 AWG	4 x 2 x 23 AWG	46 x 0.20 mm/16 AWG	4 x 2 x 23 AWG
		2.37 mm	0.57 mm	1.60 mm	0.57 mm
	Material	Annealed red copper	Bare copper wire	Annealed red copper	Bare copper wire
		PVC insulated	Polyethylene insulated	PVC insulated	Polyethylene insulated

**Snakes**

For further informations and configurations, see pages 58-59

SNKG
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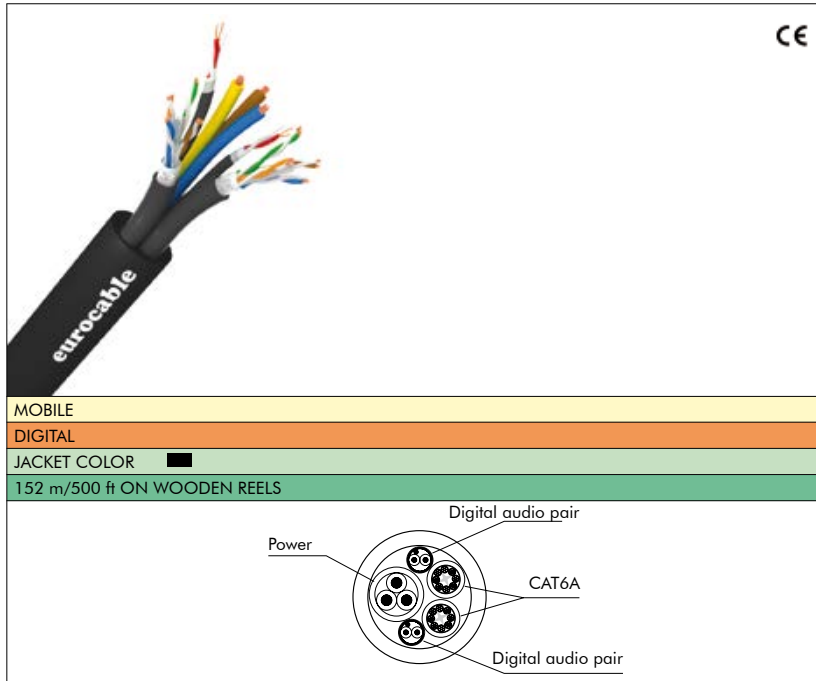
SNKG
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M
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\* Length
 M Meters

# Hybrid Cable for Data, Audio and Power

**eurocable** 2CAT6SF 12/3 AD2 is designed to address the growing need to transmit power + data signals over one cable. This cable includes 3x12 AWG (3,5 mm<sup>2</sup>) double shielded power cable, two AES individually jacketed and shielded audio pairs, plus two SF/UTP CAT6 signals over extended distances. (typically 300 ft. or 90 m as per the published standard)

*Note: The maximum length stated references the furthest distance allowed while maintaining EIA/TIA 568.B.2 certification. Actual performance may be greater depending on the protocol.*



CVS LK2CAT6SF 12/3 AD2      CVS LK1CAT6SF 12/3 AD1

GENERAL DATA		CVS LK2CAT6SF 12/3 AD2		CVS LK1CAT6SF 12/3 AD1	
Cable	O.D.	21.30 mm		16.20 mm	
	Weight Kg/100m	46.90		36.70 mm	
	Operating temperature	-20°C/+70°C		-20°C/+80°C	
	Volt. Rate (Power)	600 V		300 V	
Jacket	Nominal Thickness	1.70 mm		1.60 mm	
	Color	Black			
	Material	PVC			
		Audio	CAT6A	Power	
Cable	O.D.	4.00 mm	8.00 mm	10.60 mm	
Jacket	Material	PVC			
	Nominal Thickness	0.65 mm	0.53 mm		
Shield	Material	Aluminium - Polyester tape plus 18 x 0.10 mm drain wire	Aluminium - Polyester tape plus drain wire		-
	Coverage	100%	100%		-
Conductor	Qty	2 (CVS LK2CAT6SF 12/3 AD2) 1 (CVS LK1CAT6SF 12/3 AD1)	2 (CVS LK2CAT6SF 12/3 AD2) 1 (CVS LK1CAT6SF 12/3 AD1)		3
	Strand	18 x 0.10 mm	1 x 0.58 mm		70 x 0.25 mm
	Area/AWG	0.14 mm <sup>2</sup> /26	0.22 mm <sup>2</sup> /24		3.44 mm <sup>2</sup> /12
	Insulation O.D.	1.20 mm	1.00 mm		1.00 mm
	Material	Annealed tinner copper polyolefine insulated	Solid bare copper polyolefine insulated		Annealed bare copper PVC insulated

## Snakes

For further informations and configurations, see pages 58-59



SNKG 2P X \* M R

\* Length      Feet      M Meters