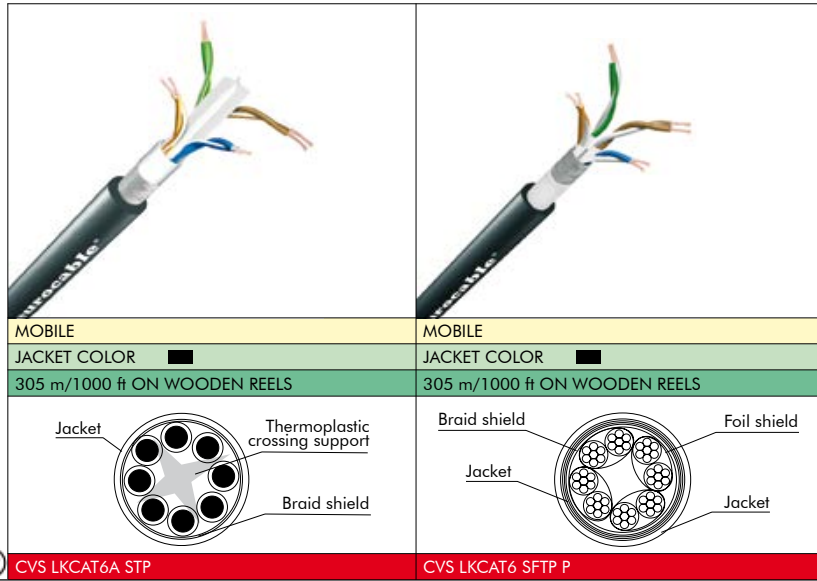


CAT6A and CAT6 Shielded Cables

The **eurocable** CAT6 range is designed for transmitting high bandwidth signals over long distances (typically 300 ft 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 (*).

* Please consider that extended stress, or poor termination practices, can alter the primary electrical values of this type of cable. Using a cable reel is highly recommended.



TRANSMISSION SPECIFICATIONS (for CAT6A)													
Frequency [MHz]	1	10	20	31.2	62.5	100	155.5	200	250	300	500		
Attenuation (max)	1.8	5.4	7.7	9.6	13.7	17.4	21.9	25	28.1	30.8	40		
NEXT (min)	100	80	70	65	60	60	55	55	50	45	42		
ACR (min)	98.2	74.6	62.3	55.4	46.3	42.6	33.1	30	21.9	14.2	2		
Return Loss (min)	25	25	25	25	25	25	25	20	20	20	15		
TRANSMISSION SPECIFICATIONS (for stranded conductors)													
Frequency [MHz]	1	4	8	10	16	20	25	31.25	62.50	100	155	200	250
Attenuation (max)	2	3.7	5.3	5.9	7.5	8.4	9.5	10.6	15.3	19.8	25.1	29.8	32.8
NEXT (min)	74.3	65.2	60.7	59.3	56.2	54.7	53.3	51.8	47.3	44.3	41.4	39.7	38.3
ACR (min)	72.2	61.4	55.4	53.3	48.6	46.3	43.8	41.2	31.9	24.5	16.2	10.8	5.4
PS-NEXT (min)	72.3	63.2	58.7	57.3	54.2	52.7	51.3	49.8	45.3	42.3	39.4	37.7	36.3
Return Loss (min)	20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	19	18	17.3
GENERAL DATA													
Cable	O.D.	8.50 mm (± 0.2 mm)						7.70 mm					
	Weight Kg/100m	10.38						5.95					
	Operating temperature	-20°C/+70°C											
Jacket	Material	External: PVC, Internal: LSZH polymer											
Overall shield	Material	Annealed tinned copper braid shield											
	Coverage	80%						40%					
Shield on single pair	Material	-						Aluminium/Polyester tape					
	Coverage	-						100%					
Conductor	Quantity	4 x 2											
	Strand	1 x 0.555 mm						7 x 0.145 mm					
	Area/AWG	0.26 mm ² /23						0.12 mm ² /26					
	Material	Solid Bare - Red copper						Stranded- Red copper					

CAT6A STP cable with etherCON and RJ45 connectors (also available with patch cable) **SIGNAL INTEGRITY**

ER6N5S6S * * *

CAT6A STP cable wired with Neutrik etherCON silver

ER6N5B6S * * *

CAT6A STP cable wired with Neutrik etherCON black

ER6H5S6S * * *

CAT6A STP cable wired with Neutrik etherCON silver/RJ45

ER6H5B6S * * *

CAT6A STP cable wired with Neutrik etherCON black/RJ45

ER6R5P6S * * *

CAT6A STP cable wired with RJ45

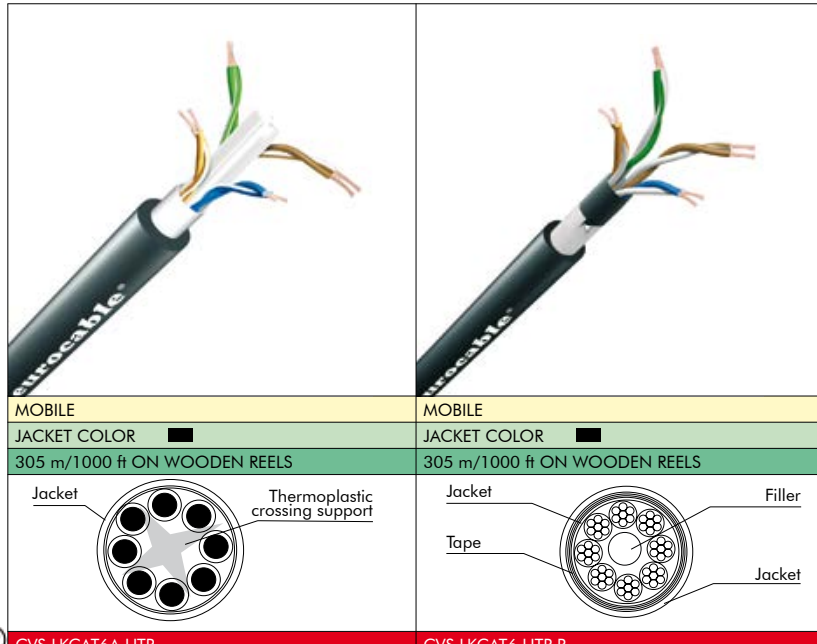
* Length (meters): **3 5 10 15** U No packaging, with heat shrink

* Feet M Meters Y No packaging, no heat shrink W With packaging and heat shrink

Not suitable for applications above 50 volt ac; 75 volt dc.

CAT6A and CAT6 UTP Cables

eurocable CAT6 cables are specifically created for mobile applications. Their extremely flexible and robust jacket guarantees reliable performance in critical conditions. Link's testing criteria exceeds all established nominal standards and can be examined in further detail below. CAT6 cables undergo EIA/TIA 568B.2 and ISO/IEC 11801 certification tests in which the complete range of relevant frequencies are analyzed. The test ensures that each value, at every frequency up to 250 MHz for stranded conductors and up to 500 MHz for solid bare version, is compliant with the standard at the specified length.



CVS LKCAT6A UTP CVS LKCAT6 UTP P

TRANSMISSION SPECIFICATIONS (for CAT6A)													
Frequency [MHz]	1	10	20	31.2	62.5	100	155.5	200	250	300	500		
Attenuation (max)	1.8	5.4	7.7	9.6	13.7	17.4	21.9	25	28.1	30.8	40		
NEXT (min)	100	80	70	65	60	60	55	55	50	45	42		
ACR (min)	98.2	74.6	62.3	55.4	46.3	42.6	33.1	30	21.9	14.2	2		
Return Loss (min)	25	25	25	25	25	25	25	20	20	20	15		
TRANSMISSION SPECIFICATIONS (for stranded conductors)													
Frequency [MHz]	1	4	8	10	16	20	25	31.25	62.50	100	155	200	250
Attenuation (max)	2	3.7	5.3	5.9	7.5	8.4	9.5	10.6	15.3	19.8	25.1	29.8	32.8
NEXT (min)	74.3	65.2	60.7	59.3	56.2	54.7	53.3	51.8	47.3	44.3	41.4	39.7	38.3
ACR (min)	72.2	61.4	55.4	53.3	48.6	46.3	43.8	41.2	31.9	24.5	16.2	10.8	5.4
PS-NEXT (min)	72.3	63.2	58.7	57.3	54.2	52.7	51.3	49.8	45.3	42.3	39.4	37.7	36.3
Return Loss (min)	20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	19	18	17.3
GENERAL DATA													
Cable	O.D.	8.50 mm (± 0.2 mm)						7.50 mm					
	Standard reels	305 m											
	Weight Kg/100m	10.4						6.16					
	Operating temperature	-20°C/+70°C											
Jacket	Material	External: PVC, Internal: LSZH polymer											
	Quantity	4 x 2											
Conductor	Strand	1 x 0.57 mm						7 x 0.20 mm					
	Area/AWG	0.26 mm ² /23						0.22 mm ² /24					
	Material	Solid Bare - Red copper						S stranded - Red copper					

CAT6A UTP cable with EtherCON and RJ45 connectors (also available with patch cable) SIGNAL INTEGRITY

<p>ER6N5S6U </p> <p>CAT6A UTP cable wired with Neutrik EtherCON silver</p>	<p>ER6N5B6U </p> <p>CAT6A UTP cable wired with Neutrik EtherCON black</p>	
<p>ER6H5S6U </p> <p>CAT6A UTP cable wired with Neutrik EtherCON silver/RJ45</p>	<p>ER6H5B6U </p> <p>CAT6A UTP cable wired with Neutrik EtherCON black/RJ45</p>	
<p> Length (meters): 3 5 10 15 With packaging, no heat shrink No packaging, with heat shrink No packaging, no heat shrink With packaging and heat shrink</p> <p> Feet Meters</p>		

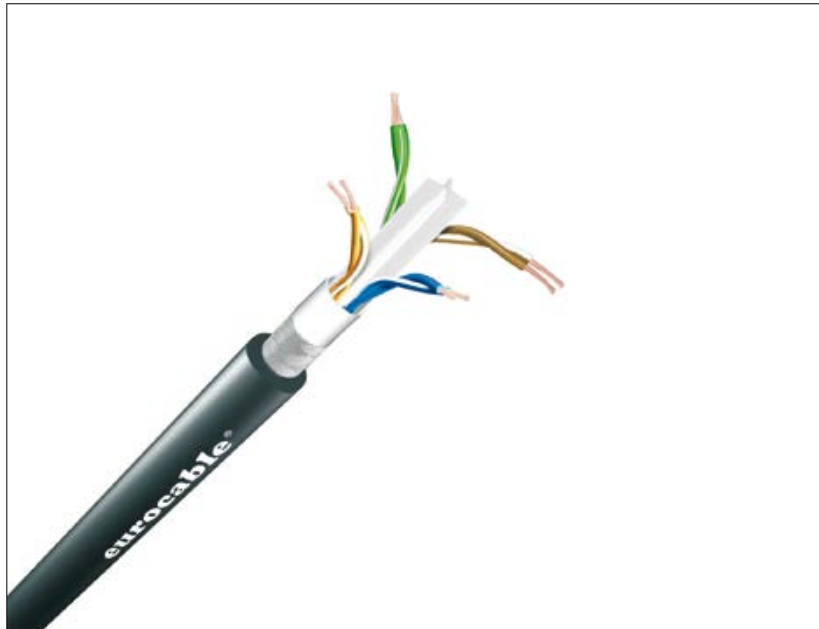
Not suitable for applications above 50 volt ac; 75 volt dc.

All products are also available with Amphenol connectors

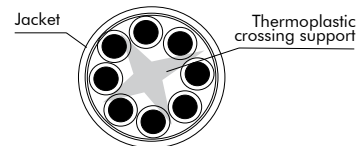
CAT6A PUR Jacket

A new polyurethane sheath protects our CAT6A STP cable from critical conditions. Flexible & extra strong it has built to be the most durable jacketed cable.

eurocable CAT6 cables are specifically created for mobile applications. Link's testing criteria exceeds all established nominal standards and can be examined in further detail below. CAT6 cables undergo EIA/TIA 568B.2 and ISO/IEC 11801 certification tests in which the complete range of relevant frequencies are analyzed. The test ensures that each value, at every frequency up to 500 MHz, is compliant with the standard at the specified length. The **eurocable** CAT6 is designed for transmitting high bandwidth signals over long distances (typically 300ft or 90m as per the published standard).



MOBILE
JACKET COLOR ■
305 m/1000 ft ON WOODEN REELS
FLAME RETARDANT: IEC 60754-1, IEC 61034-1, IEC 60332-1, EN 50267-2-1, EN 50268-2-1, EN 50265-2-1
HALOGEN FREE



 CV5 LKCAT6A STP PUR

TRANSMISSION SPECIFICATIONS											
Frequency [MHz]	1	10	20	31.2	62.5	100	155.5	200	250	300	500
Attenuation (max)	1.8	5.4	7.7	9.6	13.7	17.4	21.9	25	28.1	30.8	40
NEXT (min)	100	80	70	65	60	60	55	55	50	45	42
ACR (min)	98.2	74.6	62.3	55.4	46.3	42.6	33.1	30	21.9	14.2	2
Return Loss (min)	25	25	25	25	25	25	25	20	20	20	15
GENERAL DATA											
Cable	O.D.	8.50 mm (± 0.2 mm)									
	Standard reels	305 m									
	Weight Kg/100m	10									
	Operating temperature	-40°C/+80°C									
Jacket	Material	LSZH PUR									
	Shield	Tinned copper braid									
Shield	Coverage	80%									
	Quantity	4 x 2									
Conductor	Strand	1 x 0.57 mm									
	Area/AWG	0.26 mm ² /23									
	Material	Solid Bare - Red copper									

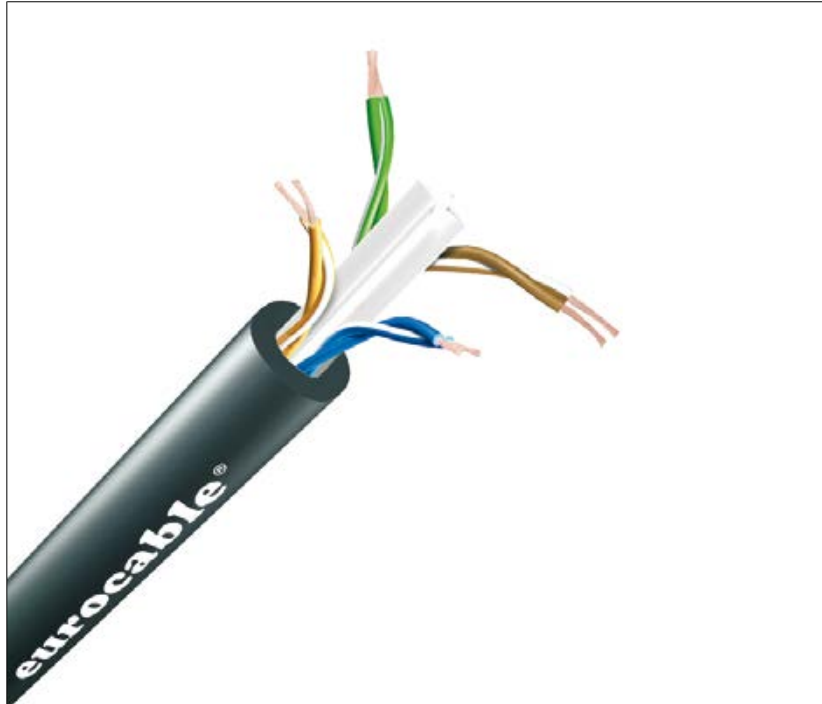
Not suitable for applications above 50 volt ac; 7.5 volt dc.

CAT6A LAN Cable

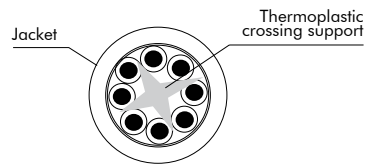
The **eurocable** CAT6A LAN is designed for fixed installation Local Area Networks, such as campus or riser, due to its high electrical and flammability performance. (flame retardant / LSZH). **eurocable** CAT6A LAN supports gigabit signals over extended distances (typically 300ft or 90m as per the published standard) and guarantees the highest possible performance for the cost.

Link's testing criteria exceeds all established nominal standards as identified below.

CAT6A cables undergo EIA/TIA 568B.2 and ISO/IEC 11801 certification tests in which the complete range of relevant frequencies are analyzed. The test ensures that each value, at every frequency up to 500 MHz, is compliant with the standard at the specified length.



INSTALLATION
JACKET COLOR
500 m/1640 ft ON WOODEN REELS
FLAME RETARDANT: ISO/IEC 11801, IEC 61156-5, EN 50173, EN 50288-11-1, EIA-TIA 568C.22



CVS LKLANCAT6A U/UTP

TRANSMISSION SPECIFICATIONS											
Frequency [MHz]	1	10	20	31.2	62.5	100	155.5	200	250	300	500
Attenuation (max)	1.8	5.4	7.7	9.6	13.7	17.4	21.9	25	28.1	30.8	40
NEXT (min)	100	80	70	65	60	60	55	55	50	45	42
ACR (min)	98.2	74.6	62.3	55.4	46.3	42.6	33.1	30	21.9	14.2	2
Return Loss (min)	25	25	25	25	25	25	25	20	20	20	15
GENERAL DATA											
Cable	O.D.	6.6 mm									
	Standard reels	500 m									
	Operating temperature	-20° C/+60° C									
	Weight Kg/100m	4.64									
Jacket	Material	LSZH engineering resin + PVC									
	Nominal Thickness	1 mm									
Conductor	Quantity	4 x 2									
	Strand	1 x 0.57									
	Area/AWG	0.26 mm ² /23									
	Material	Solid Bare - Red copper									

Not suitable for applications above 50 volt ac; 7.5 volt dc.