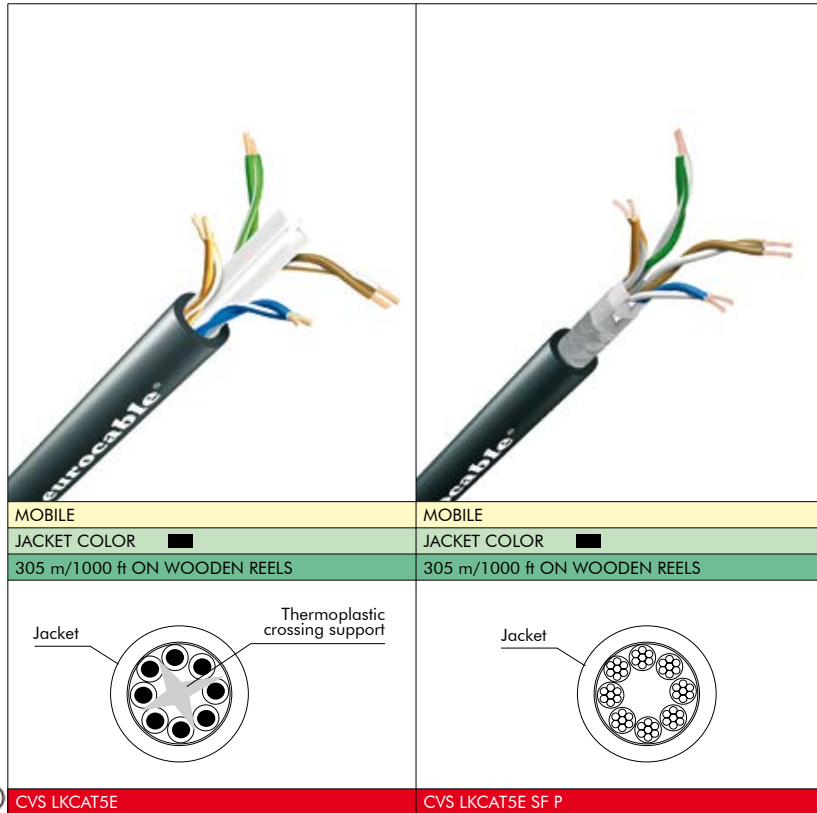# CAT5 Cables

eurocable CAT5E cables are specifically created for mobile applications. CAT5E 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 100 MHz, is compliant with the standard at the specified length. The **eurocable** CAT5E range includes both standard and patch cables. The standard cable, made with solid bare, is designed for transmitting high bandwidth signals over long distances (typically 300 ft or 90 m as per the published standard). The patch cables are more flexible and generally used in Ethernet applications for shorter runs (generally 45ft or 15m), even though **eurocable** patch cables pass the ISO/IEC and EIA/ TIA certification test up to 165 ft or 50 m. 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.

MOBILE	MOBILE
JACKET COLOR ■	JACKET COLOR ■
305 m/1000 ft ON WOODEN REELS	305 m/1000 ft ON WOODEN REELS

Jacket — Thermoplastic crossing support

Jacket

CVS LKCAT5E	CVS LKCAT5E SF P

TRANSMISSION SPECIFICATIONS

Frequence [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.	6.80 mm	6.50 mm
	Standard reels	305 m	
	Weight Kg/100m	4.29	5.82
Jacket	Material	Reticulated Elastomeric Mixture	PVC
	Nominal Thickness	1.50 mm	
Conductor	Quantity	4 x 2	
	Strand	1 x 0.53 mm	7 x 0.20 mm
	Area/AWG	0.22 mm² /24	
	Material	Annealed solid bare red copper polyolefine insulated	Annealed bare red copper foamed polyolefine insulated

CAT5E cable with EtherCON and RJ45 connectors (also available with patch cable)

SIGNAL INTEGRITY

ER5N5S5E *|*|
CAT5E cable wired with
Neutrik EtherCON silver

ER5N5B5E *|*|
CAT6A STP cable wired with
Neutrik EtherCON black

ER5H5S5E *|*|
CAT6A STP cable wired with
Neutrik EtherCON silver/RJ45

ER5H5B5E *|*|
CAT6A STP cable wired with
Neutrik EtherCON black/RJ45

ER6R5P6S *|*|
CAT6A STP cable wired with
RJ45

eurocable

* Length (meters): **3 5 10 15**	☐ With packaging, no heat shrink	U No packaging, with heat shrink	*All products are also available with*
■ Feet M Meters	Y No packaging, no heat shrink	W With packaging and heat shrink	*Amphenol connectors*