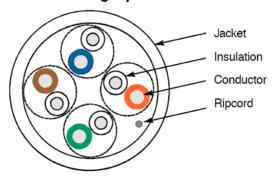
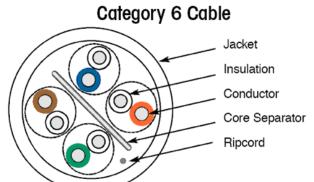


UTP : Unshielded Twisted Pair Category 5E+ Cable





Category 6e Cable Jacket Insulation Conductor FlexWeb® Ripcord

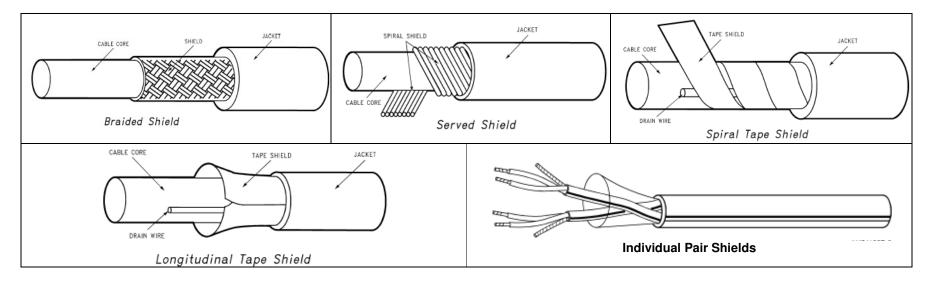
							BC : Barely Copper				
Conductor :	Diameter: 24AWG- 23AWG, Material: BC, CCA, or CCS	AWS: A	Conductor Diameter mm	Ohms per km	Maximum frequency for 100% skin depth for solid conductor copper	Example	outer copper cladding The properties of cop Lighter the Higher co	g. oper-clad aluminum wire in nan pure copper onductivity than pure	r composed of an inner aluminum core and nclude: Better solderability than alur More expensive than a pure aluminum wire;		
		22	0.64516	52.9392	42 kHz		- I grant and a gr				
		23	0.57404	66.7808	53 kHz	CAT 6 Cable	CCS: Copper Clad Steel, mainly used in the wire industry that combines the high mechanical resistance of steel with the conductivity and resistance to corrosion of copper. Its main purpose is to be used as a drop wire of telephone cables, and inner conductor of coaxial cables, including thin hookup cables like RG174, and CATV cable.				
		24	0.51054	84.1976	68 kHz	CAT 5E Cable					
		25	0.45466	106.1736	85 kHz						
		26 0.40386 133.8568 107 kH					Good corrosion resistance of copper				
	Acronym		Material				Acronym		Material		
Insulation :	PE	Pol	Polyethylene				LSZH (=LS0H)	Low Smoke, Zero Halogen			
	FP	Foa	Foamed polyethylene				GSWB	Galvanised steel wire braid			
	FEP	Tef	Teflon / Fluorinated Ethylene Propylene				LSFZH (=LSF0H)	Low Smoke and Fume, Zero Halogen			
	FFEP	Foa	Foamed Teflon / Fluorinated Ethylene Propylene								
	AD/PE	Air	Air dielectric / Polyethylene								

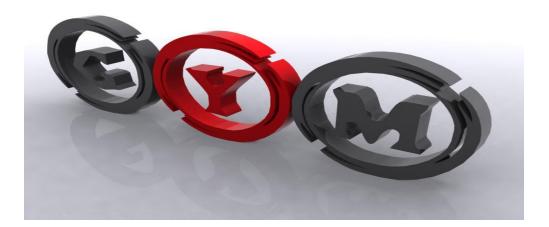
Jacket :	PVC/ FR PVC/ LSOH (with UL prints)					
Messenger (Kılavuz) :	4.78mm galvanized steel	1 - Jacket 2 - Protective skin 3 - Twisted pair 4 - Messenger				
Wire Type :	Solid, or stranded					
Rip cord:	cotton					
Certificates:	UL, ROHS, CSA, ISO					
Application:	100 Base-T4, 100 Base-TX, 100VG-AnyLAN, 1000 Base-T(Gigabit Ethernet), 155 Mbps ATM, 600 Mbps ATM					

Cable Name	Cable Type	Maximum Length	Data Rate
Category 3	UTP	100 m, including patch panel and patch cables	10 Mb/s Ethernet, 4 & 16 Mb/s Token Ring and VGAnyLan at 16 MHz
Category 5	UTP	90 m (100m) including patch panels and cables	100 Mb/s Fast Ethernet at 100 MHz, sometimes 1000 Mb/s gigabit Ethernet
Category 5e	UTP	90 m (100m) including patch panels and cables	1000Mb/s at 100MHz, has improved specifications for NEXT and PSELFEXT and Attenuation.
Category 6	UTP	100 m	1000Mb/s at 250MHz

Note: For typical serial data links, the de-facto standard gauge size is 24 AWG. Overall cable size and weight reduction can be achieved using 26 AWG or smaller conductors at the expense of increased fragility. Note, there are National Electrical Code restrictions that prevent conductors smaller than 24 AWG from being used in premises communication applications. Smaller conductors are recommended for restricted applications, such as equipment cables or where overall cable size must be limited; say for wide parallel data links used in short distances, up to 10 or 20 meters.

STP: Shielded Twisted Pair





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