

Performance	Applications	When to use	Where to use	Advantage
Cat6 - Good	Gigabit Ethernet(GigE)	Use this when Cat5e is specified	residential & office networks	Future-proof Cat5e installs
Cat6E - Better	Gigabit Ethernet(GigE), PoE, ATM, Video	Multi-media applications, noisy environments, PoE Support	workstation connectivity, network backbone, IEEE 802.11 a/b/g uplink, digital studios, hospitals, labs, datacenters	Less susceptible to outside interference
Cat6A - Best	10 Gigabit Ethernet(10GigE)	Highest available Performance	Data centers, labs, cluster computing, IEEE 801.11 a/b/g & n uplink	Alien cross-talk performance in high density applications

10 Gigabit Ethernet Kablo Mesafesi

- CAT6 / CAT6E 10gbe to 37m
- CAT6A 10gbe to 100m

Network Kablosu Özellikleri Karşılaştırma

Specification	CAT5	CAT5e	CAT6	CAT6a	CAT7
Frequency	100 MHz	100 MHz	250 MHz	500 MHz	600 MHz
Attenuation (Insertion Loss)*	24 dB	24 dB	19.8 dB	18.4 dB	20.8 dB
Characteristic Impedence	100 ohms	100 ohm	100 ohms	100 ohms	100 ohms
NEXT *	27.1 dB	30.1 dB	44.3 dB	59 dB	62.1 dB
PS-NEXT *	N/A	27.1 dB	42.3 dB	59.1 dB	59.1 dB
ELFEXT *	17.9 dB	17.4 dB	27.8 dB	43.1 dB	Not Specified
PS-ELFEXT *	14.4 dB	14.4 dB	24.8 dB	41.8 dB	Not Specified
Return Loss *	16 dB	20.1 dB	20.1 dB	32 dB	14.1 dB
Delay Skew *	50 ns	45 ns	45 ns	45 ns	20 ns

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Haberleşme sistemlerinde **yüksek performansı** yakalayın

