Reserch Task - Best Ethernet Cables

What makes a good ethernet cable?

We would suggest sticking with at least Cat 6 and connections that can support it. Make sure you pick shielded cables that will help cut down on distortion, which may be more noticeable when it comes to audio.
If you are running long cables for a venue or similar setup, work with a professional A/V expert with experience in Ethernet connections.

S.No	Cable Name	About	Pro	Con	Price	Purchase Link	Suggested Calbles (Key Pointers and Specifications)
1	**DBillionDa Ethernet Cable — Cat 8**	Cat 8 is overkill for most, but if you want the best of the best in terms of shielding and performance, it's as good as it gets. This particular gold-plated version comes in sizes from 3 to 100 feet and supports 2,000MHz bandwidth and data transmission up to 40Gbps. Cat 8 cables are also waterproof, anti-corrosion, and use more durable PVC material for indoor or outdoor projects. It's an ideal pick for professional or personal cable management and could be a noticeable improvement in performance, too.	Great Cat 8 pick for futureproof Gold-plated PVC coating	Not everyone needs Cat 8	**$37.91**	Click here	#1 DbillionDa's CAT 8 cable is simply great for any home or office. It uses oxygen-free copper (OFC) for the best electrical conductivity, resulting in better performance over great distances. Inside this cable are twisted-pair wires (26 American Wire Gauge, or 26 AWG) individually wrapped in Mylar-based aluminum foil shielding. They're bundled within a layer of 90% aluminum braid shielding that protects them from external interference. On the outside, a rugged, UV-resistant PVC jacket allows you to bury the cable for outdoor use. **Best Speed Offered - 40GBPS** It's made of 4 shielded twisted pairs which boost the speed of data transmission It's EMI Resistant which means that the cable provides the highest fidelity for long-distance data transmission. CAT 8 Bandwidth: Up to 2,000 MHz Data rate: Up to 40 Gbps Length: 3–150 ft. Includes gold-plated connectors Includes quadruple shielding Works outdoors and indoors
2	**Ugreen Flat Ethernet Cable – Cat 7**	The flat design of this Ethernet cable is an alternative option that some may prefer depending on the installation. Flat cables are a bit more resistant to forming classic tangles and are easier to run under carpets, beneath doors, or in cracks along the wall. The RJ45 connectors are gold-plated and over-molded for extra durability, with a shape that's meant to resist catching on other cables or objects while you're working. Lengths range from three feet to 50 feet.	Flat cables Gold-plated Molded for durability	Cat 7 is only used in certain cases	**$7-$12**	Click here	#2 CAT 7 Bandwidth: Up to 500 MHz **Data rate: Up to 10 Gbps** Length: 1.5–6 ft. Uses a gold-plated connector Includes a built-in female end **Fast and Durable cable on a budget for household uses**
3	**Dacrown Weatherproof Ethernet Cable – Cat 8**	If you know that your Ethernet project is going to require running cables outdoors where they will be exposed to the elements, you need a durable option that can handle it. This Cat 8 cable, available in sizes up to 150 feet, has a pure copper core, aluminum foil shield, woven mesh shield, and thick PVC outer layer. That makes it highly water and UV-resistant, so you won't have to worry about issues developing down the line.	Extra protection to withstand harsher environments Available in longer lengths UV resistant for outdoor work	Not as useful if you aren't running cables outdoors	**$33**	Click here	#3 Length: 1.6–150 ft. Features a braided nylon exterior in black, blue, white, or gold Uses gold-plated connectors **Speed up to 40GBPS** **CAT 8, is very durable and is best suited for harsh conditions.**

4	**Cable Matters Snagless Ethernet Cable - Cat 6A**	Category 6 Ethernet cables were eventually updated with an optimized 6A version, with thicker conductors, durable jackets, and a significant speed upgrade -- 10GB at up to 100 meters -- that made it an excellent option for those who couldn't work with the Cat-7 changes. This particular version of the cable also includes additional shielding, gold-plated contacts, and boots for durability. The snagless clip protector also helps prevent accidents or cable damage while work (or if someone stumbles on one of the cables).	Capable 6A pick Gold-plated contacts Snagless connectors	Not as easy to hide as some picks	$11	Click here	
5	**Monoprice SlimRun Ethernet Cable 10-pack -- Cat 6A**	These "SlimRun" cables are designed specifically for narrow spaces, running under carpets or baseboards, or saving space (and encouraging more airflow) in packed server rooms -- they're half the size of standard Cat-6A cables. If you are dealing with more complex setups, there are also a variety of color options to choose from for even more organization possibilities. Here we've chosen a pack with a shorter length for connecting multiple devices to nearby Ethernet ports. If you are running these slim cables at a longer distance, they are available at up to 50 feet in length.	Slim cable design for narrow areas Multiple color options Good for server setups	Slim cables may not offer as much shielding	$17.79	Click here	
6	**CableGeeker Flat Black Cable with Sticky Clips — Cat 6**	CableGeeker's flat Ethernet cable consists of unshielded twisted pairs made of 100% bare copper wire. The two connectors feature a "snagless" design preventing unwanted disconnects, molded strain-relief boots, and 50-micron gold-plated contacts. This cable offers the same maximum speed as Amazon's model -- 1Gbps -- has better crosstalk protection and a higher 250MHz bandwidth than Cat 5 and Cat 5e products. You can buy this cable in a two-pack of 10-foot cables, or you can choose to buy it as a single cable in lengths from 1.5 to 150 feet.	Flat design for hiding cables Extra clip accessories for routing Snagless design	Unshielded design may lead to interference	$41.07	Click here	
7	**Cables Direct Online 30FT Cable — Cat 5e**	Cables may boast the fastest speeds, but you can't even experience those speeds without a dependable connection. That's why the Cables Direct Online manufacturers pride their cables as having the best connectivity on the market. It maintains a 350MHz bandwidth that delivers an incredibly dependable connection with a 1Gbps data rate. Compared to other Cat 5a cables that generally provide 100MHz bandwidth, that's a vast improvement. This Ethernet cable boasts four-stranded twisted pairs with PVC jackets, 50-micron gold-plated connectors, and copper-clad aluminum conductors. The cable offers a single gray color choice and has a round form.	Highly dependable, well-designed cables Impressive 350MHz for a 5e cable PVC jackets	Cat 5e still misses out on some benefits of later categories	$7	Click here	
8	**iMBAPrice Network Ethernet Cable 10-Pack -- Cat 5e**	This server-friendly pack of 5e cables offers snagless attachments, gold-plated connectors, and mold strain relief that offers additional cable protection while decreasing how easy it is for cables to get tangled while you are working. They are guaranteed to have full FCC 68 compliance for organizations that need to check that particular box and are available in five different colors for all your organization needs.	An excellent option for servers and other more demanding setups Affordable for a larger batch FCC 68 compliant	Not necessary if you only need one or two cables	$10.34	Click here	

S.No	URL	Topic	Abstract	Source	Author	Price	Published Date
			Research on Leadership Articles from MIT Sloane, and Harvard Business School				
1	Click Here	**How Well-Designed Work Makes Us Smarter**	Work that permits autonomy and problem-solving can bolster employees' cognitive skills and learning over time. While both fluid cognitive abilities and crystallized knowledge typically plateau or begin to decline with age, the authors' research finds that well-designed work can counter that effect. The authors discuss how organizations and managers can use good work design to strengthen their workforce's ability to adapt to new processes, tools, and roles.	MIT SLOANE	Sharon K. Parker and Gwenith G. Fisher	**$6.95**	March 2, 2022
2	Click Here	**Leading in an Age of Employee Activism**	Employees are demanding that managers engage on topics like climate change and racial equity, and it's risky for leaders to ignore these increased expectations. Based on new research, the authors explain why the issue of employee activism needs to become a higher priority for management, provide a taxonomy of leaders' responses, and offer advice on how to engage proactively with employees and other stakeholders on the issues that matter to them.	MIT SLOANE	Megan Reitz and John Higgins	**$6.95**	January 19, 2022
3	Click Here	**Why Leaders Resist Empowering Virtual Teams**	Many leaders of remote teams feel overwhelmed and isolated. One solution is to adopt an empowering leadership style, which involves delegating to team members, developing them so they can contribute more, and soliciting their input to solve problems. But leaders often resist this approach when managing remotely. They worry about ceding control and taking new risks in an environment where they can't observe people directly. Here's how to help leaders reap the benefits of sharing power.	MIT SLOANE	Payal N. Sharma, Lauren D'Innocenzo, and Bradley L. Kirkman	**$6.95**	October 8, 2021
4	Click Here	**Leadership as Craft**	In this installment of the MIT Sloan Management Review's Leading With Impact series, Mike Fisher discusses his role as chief technology officer at online marketplace Etsy with coach and consultant Chris Clearfield. Fisher shares his perspective on leadership as a craft, the need to speak the language of business, and the value of fostering a learning culture and "having the courage to reimagine old ways of doing things."	MIT SLOANE	Mike Fisher, interviewed by Chris Clearfield	**$6.95, $8.95**	August 13, 2021
5	Click Here	**How to Manage 'Invisible Transitions' in Leadership**	Managers often go through invisible leadership transitions, with additions to the scope of their roles without any changes in their official positions. Survey results show that leaders experience such transitions as 27% more difficult to navigate than formal ones, due to a lack of authority, difficulties in communicating effectively, and insufficient opportunities for self-improvement. The authors offer four key steps that can help leaders through the transition.	MIT SLOANE	Ingo Marquart, Nora Grasselli, and Gianluca Carnabuci	**$6.95**	May 3, 2021
6	Click Here	**Leadership on The Wire**	Popular culture can be a great source of material for lessons about leadership and the daunting challenge of creating meaningful, sustainable change in organizations and society-and it can provide a way to connect work, home, community, and self.	Harvard	Stewart D. Friedman	**$8.95**	April 26, 2008
7	Click Here	**Leadership on the Brain**	This post is part of a six-week blog series on how leadership might look in the future.) Want to be a leadership researcher? All you need are eyes and ears, and the ability to notice and describe patterns	Harvard	David Rock	**$8.95**	April 28, 2010
8	Click Here	**Emma Dench: Leadership and Ancient Rome (Multimedia Case)**	In this multimedia case, classics scholar Emma Dench guides us in understanding leadership insights that can be captured from historical figures and works dating back to Ancient Rome. We learn the language, ideas, and patterns of behavior that are relevant to empowerment leadership through these ancient sources and the "standards-devotion matrix," originally presented by Frances Frei and Anne Morriss in "Unleashed: The Unapologetic Leader's Guide to Empowering Everyone Around You." This interactive case allows for deep reflection on and development of individual strategies for effective leadership, focusing on the ability to empower, support, and create the conditions for individuals and teams to thrive.	Harvard	Francesca Gino and Frances X. Frei	**$25.00**	February 12, 2021

9	Click Here	**Recognizing Leadership Styles**	The case is designed to help undergraduate and graduate students, as well as participants in executive education programs recognize the differences between six leadership styles identified by the work of Litwin & Stringer (1971) and further popularized by Goleman (2000), Goleman, Boyatzis, & McKee (2013), and Korn & Ferry (2017). The case presents employee descriptions of their superior's behaviors that are indicative of one of the six leadership styles: directive, visionary, affiliative, participative, pacesetting, and coaching. The vignettes, each describing a typical application of a particular style, can be used in class for the purpose of developing students' leadership style diagnostic skills, as a group discussion material, or as test material for post-class examination.	Harvard	Konstantin Korotov	**$8.95**	October 02, 2018
10	Click Here	**What Makes a Leader?**	When asked to define the ideal leader, many would emphasize traits such as intelligence, toughness, determination, and vision--the qualities traditionally associated with leadership. Often left off the list are softer, more personal qualities--but they are also essential. Although a certain degree of analytical and technical skill is a minimum requirement for success, studies indicate that emotional intelligence may be the key attribute that distinguishes outstanding performers from those who are merely adequate. Psychologist and author Daniel Goleman first brought the term "emotional intelligence" to a wide audience with his 1995 book of the same name, and Goleman first applied the concept to business with this 1998 classic HBR article. In his research at nearly 200 large, global companies, Goleman found that truly effective leaders are distinguished by a high degree of emotional intelligence. Without it, a person can have first-class training, an incisive mind, and an endless supply of good ideas, but he or she still won't be a great leader. The chief components of emotional intelligence--self-awareness, self-regulation, motivation, empathy, and social skill--can sound unbusinesslike, but Goleman, cochair of the Consortium for Research on Emotional Intelligence in Organizations, based at Rutgers University, found direct ties between emotional intelligence and measurable business results.	Harvard	Daniel Goleman	**$8.95**	January 01, 2004