



What you need to know about 6A cabling

Did you know that Category 6A cable is the best choice for structured cabling? It delivers the speed, bandwidth and power that networks depend on today—and need for future applications. It far surpasses Cat 6 in performance, reliability and return on investment.

Category 6A fun facts

CommScope is the gold standard in structured cable design and manufacturing. These stats from the past eight years show our industry impact.

Cat 6A production

Our cable would ...



Circle Earth
28 times,
which is 697,228 miles or 1.1 million kilometers

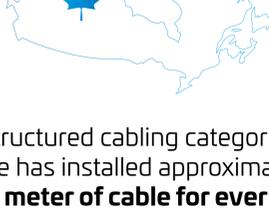


Make
three trips
from Earth to the moon, which is 678,000 miles or 1.09 million kilometers



The Cat 6A racks we've installed would completely **surround New York City's Central Park**.

Our 6A cabling in Canada **equates to nearly one 6A outlet for every person** (per 95 feet or 29 meters of cable).




Across all structured cabling categories, CommScope has installed approximately 3.2 feet or **1 meter of cable for every living person on Earth**.

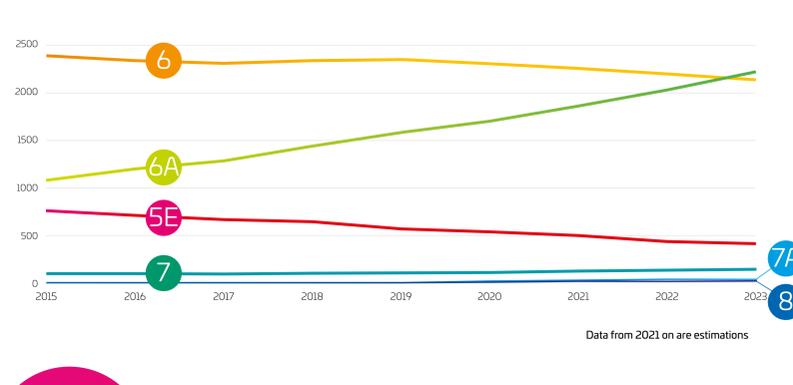
Key differences between Cat 6 and Cat 6A

Cat 6A gives you 10x the performance and double the bandwidth and capacity of Cat 6.

	Cat 6	Cat 6A
Speed	1 Gbps	10 Gbps
Bandwidth	250 MHz	500 MHz
Power over Ethernet (PoE)-ready	Compliant	Optimal
Future-ready	No	Yes

Market growth

Worldwide demand for Cat 6A is expected to grow over the next three years, while demand for Cat 6 and other categories will continue a steady decline, according to consulting firm BSRIA Inc.



Did you know?

Cat 6A



Cat 6A cable is, on average, **22% bigger** in diameter than Cat 6 but it can deliver **10x faster** data

Beginning with ISO/IEC11801.6, Cat 6A is **specified for many multi-gigabit applications**

It's the **only Category cable to recover** pre-pandemic volume

Supports new in-building wireless systems that rely on **10G technology**

Lowest cost per transmitted gigabit

TIA Cat 6A and ISO/IEC Class 6A are similar but different—**CommScope's solutions exceed both**

Reduces power waste

- Required or recommended by key standards**
- Distributed building services:** Class E_A (Cat 6A) is the minimum required to meet the international ISO/IEC11801.6 standard
 - Intelligent buildings:** TIA-862-B
 - Wireless access point:** TSB-162-B
 - Data centers:** TIA-942-B
 - Healthcare facilities:** TIA-1179
 - Education facilities:** TIA-4966
 - Power over Ethernet (PoE):** TIA TSB-184-A
 - ICT design for intelligent buildings:** ANSI/BICSI 007-2017

What about Cat 7 and 7A?

These cabling categories aren't relevant, with 2 percent market share worldwide.



2%

Benefits of CommScope's Cat 6A solutions

- We invented Cat 6A** and have worked hard to improve it ever since
- CommScope has multiple global locations** with a local manufacturing advantage
- Our Cat 6A solutions are also available for outside plant, making them **flexible enough for almost every use case**
- Our solution **supports PoE++**, which is growing in popularity for next-generation devices
- Cat 6A cabling performance **exceeds** required **industry standards**
- Backed by our **25 Year Extended Product and Application Warranty**
- For European customers, who have to comply with strict fire ratings (CPR), we **offer a comprehensive Cca, B2ca, LSZH portfolio**

[Learn more about Category 6A](#)