

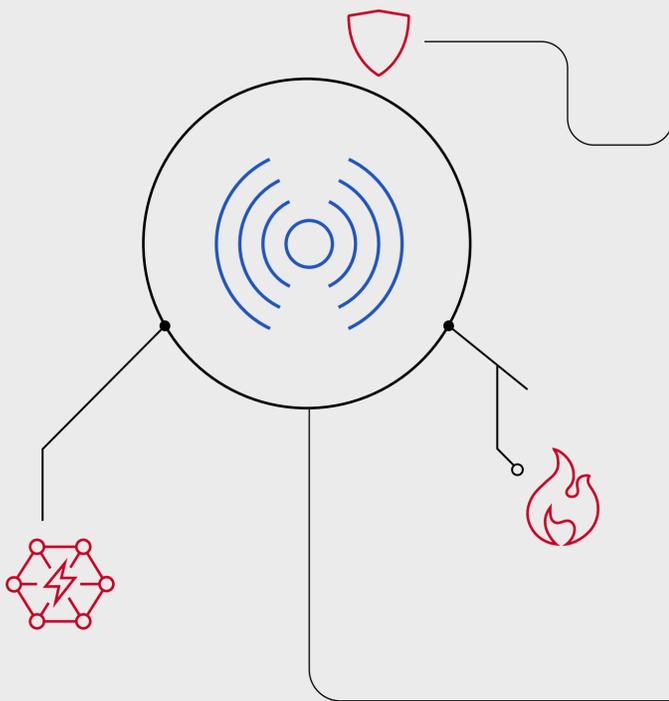
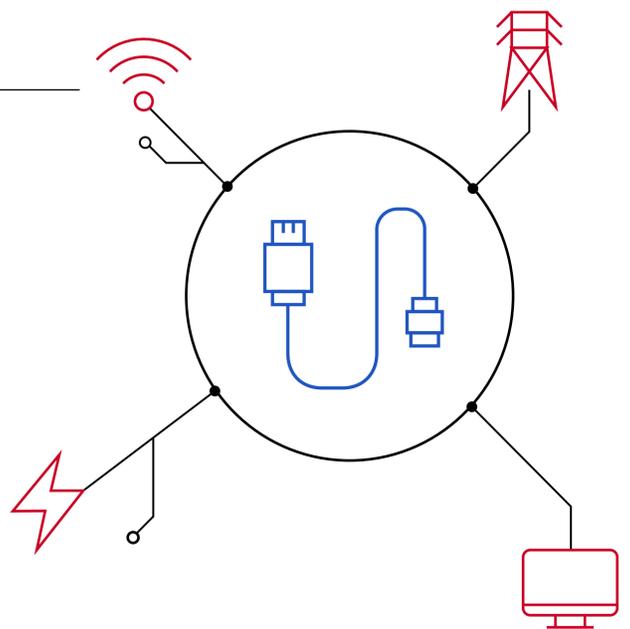
# The wire, cable and connectivity evolution

Did you know the wire, cable and connectivity industries constantly evolve to respond to dynamic market trend?

High-speed technology is becoming more prevalent as consumers, retailers and brand owners alike require more speed, power and mobility in the devices we use daily. As a result, connectivity product designs, such as cables, must evolve to provide solutions to address key wired technology demands.

## More power

The new USB Power Delivery Extended Power Range (EPR) allows for power delivery **up to 240 W** — enough for larger televisions, gaming monitors and other powered applications.



## Proper shielding is key

High-speed cables can **emit substantial radiation** that could interrupt peripheral wireless device operation if the cables are not properly designed and shielded.

## Protection from dangers

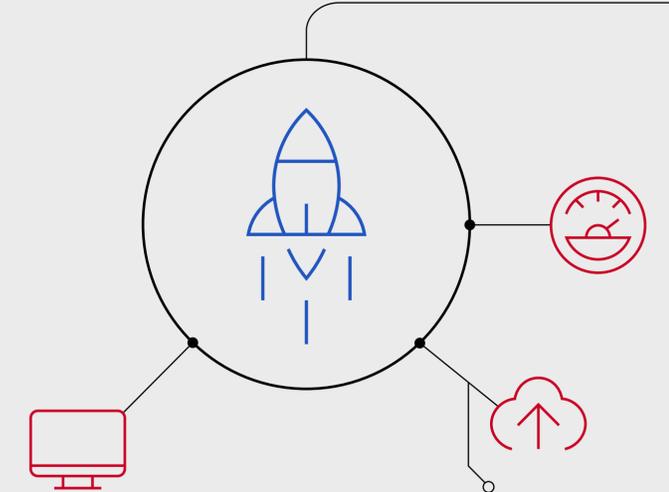
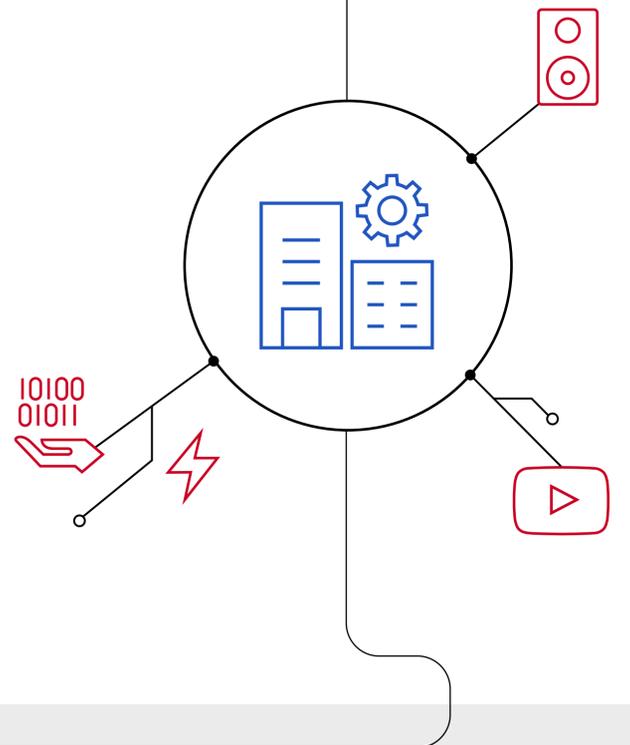
Ethernet cables employing copper-clad aluminum conductors have higher electrical resistance, which can impair signal transmission quality and **pose potential fire risks** in Power over Ethernet (PoE) applications.

## New assemblies ...

Active optical cable assemblies play an important role in transmitting **high-volume video, audio and data signals** long-distance in various consumer electronics and networking applications.

## ... requiring extra codes

AOC assemblies may appear in specific building locations where the National Electrical Code (**NEC**®), Construction Products Regulation (**CPR**) and United Kingdom Conformity Assessment (**UKCA**) could apply.



## Faster data transfer

A maximum data rate of USB4™ specification operates at 80 times higher than USB 2.0 specification, allowing it to support 8K video and faster data transfer rates.