

ACCELERATE YOUR DATA CENTER

Fiber Optic Cabling in Modern Facilities

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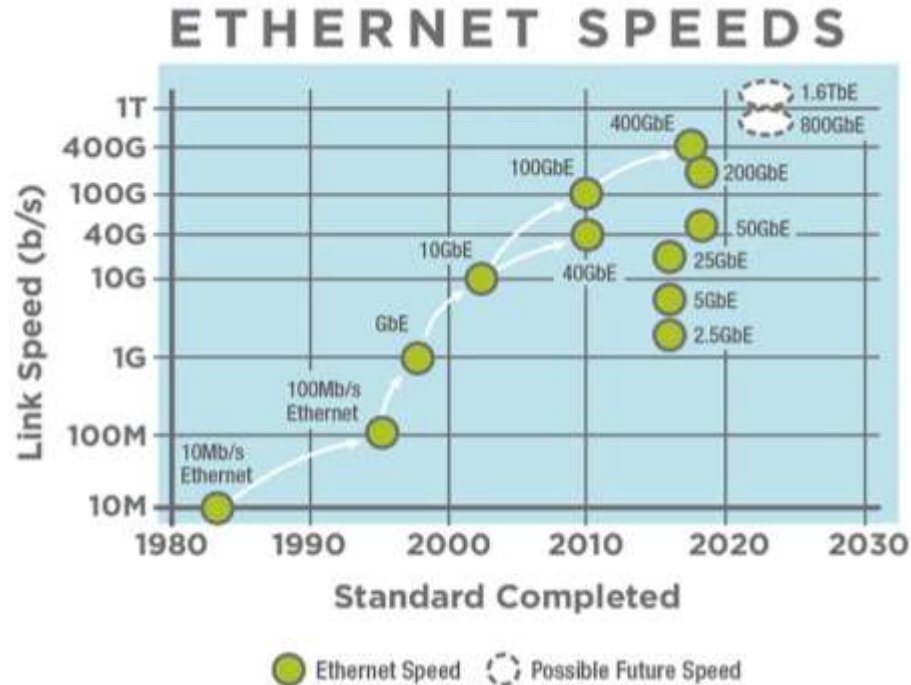
CDCDP, Infrastructure Product Manager



www.space.gr

Classification ISO 27001: Public

Ethernet Roadmap



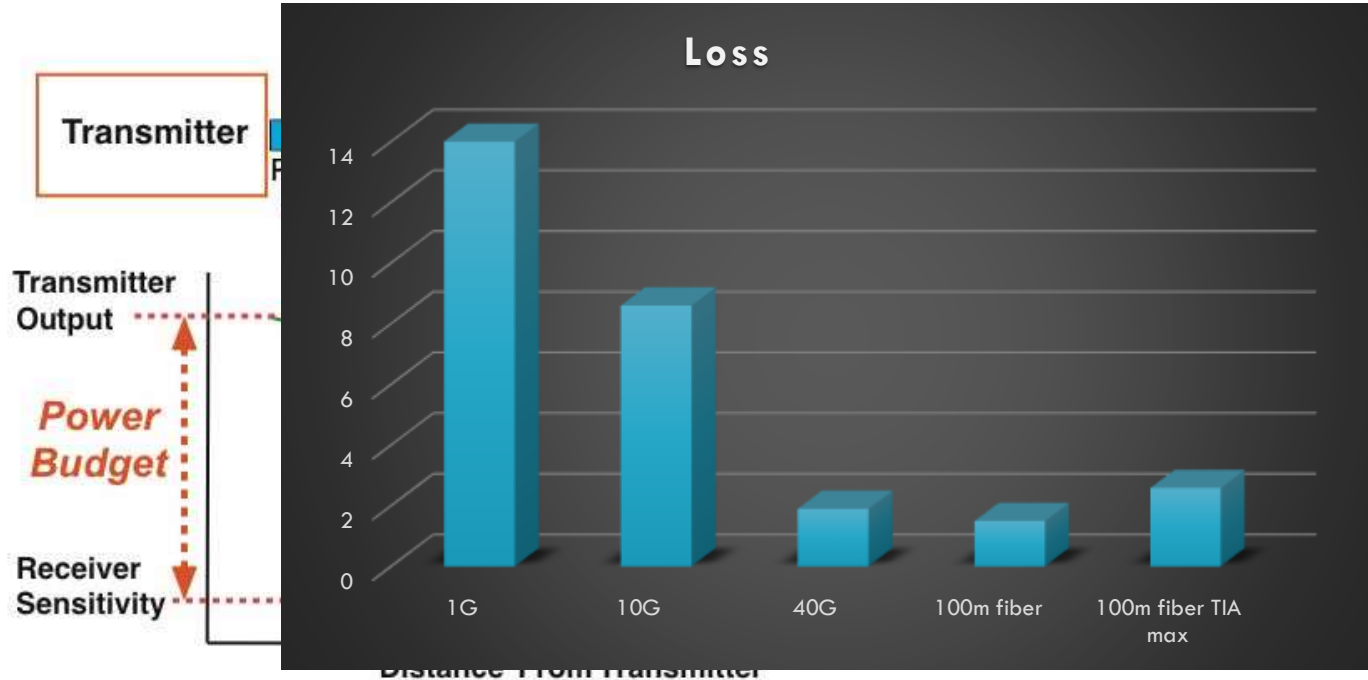
Source: The Ethernet alliance

The Strongest Team

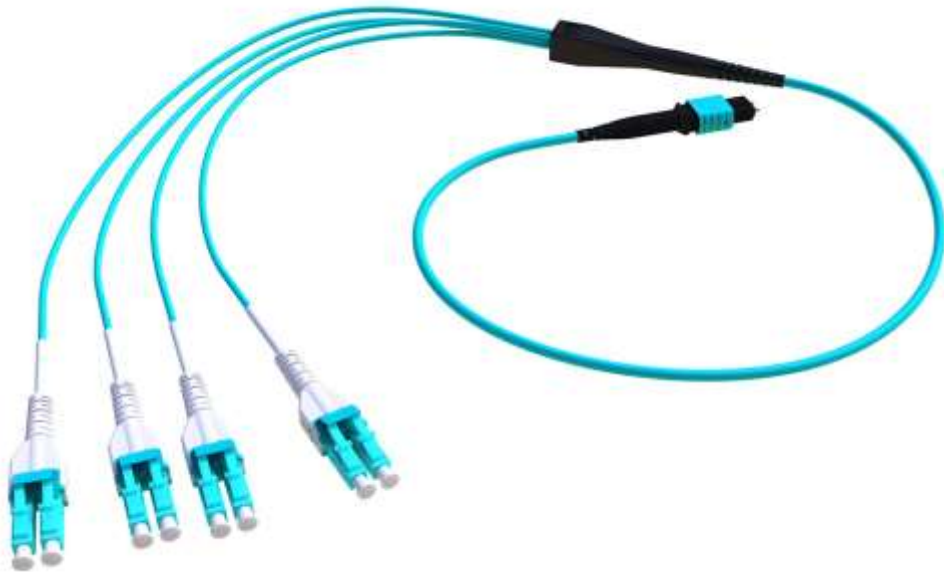


AFL HYPERSCALE.

Power Budget



MPO (MTP)

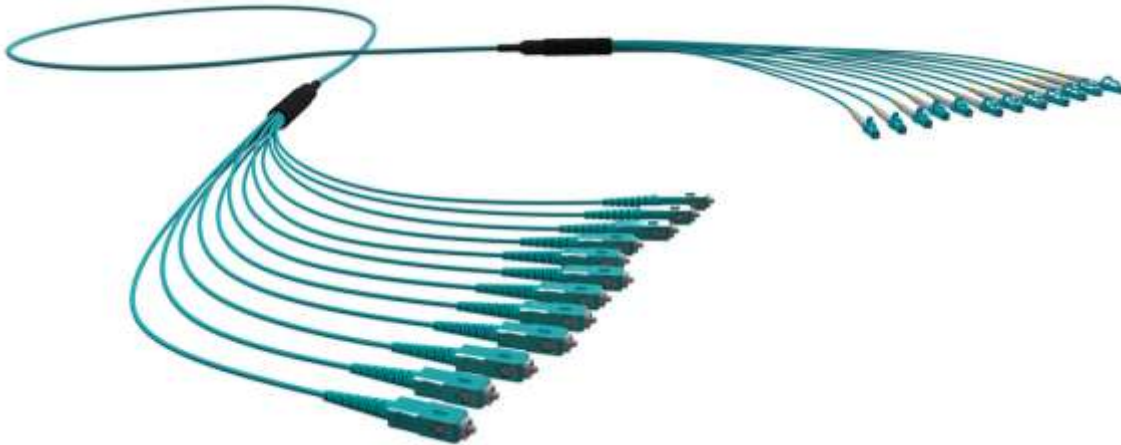


- ❑ 40GBASE-SR4 (4X10G)
- ❑ 100GBASE-SR4 (4x25G)
- ❑ 400G?

Things to consider

- ❑ Transition module MPO-LC
- ❑ Test.
- ❑ Cleaning

Pre-Terms

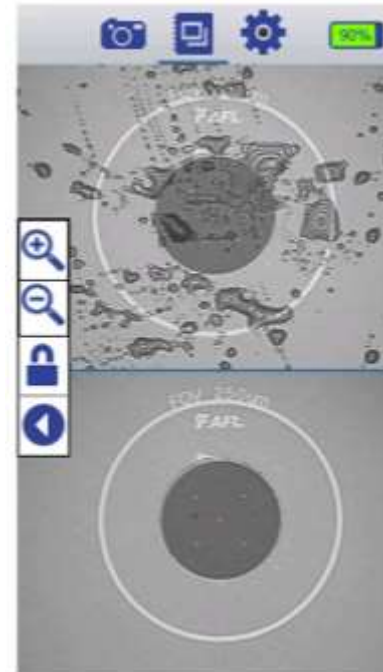


- ❑ Fast/easy deployment
- ❑ Power Budget !
- ❑ Tool free
- ❑ Comparable cost

Cleaning and Inspection

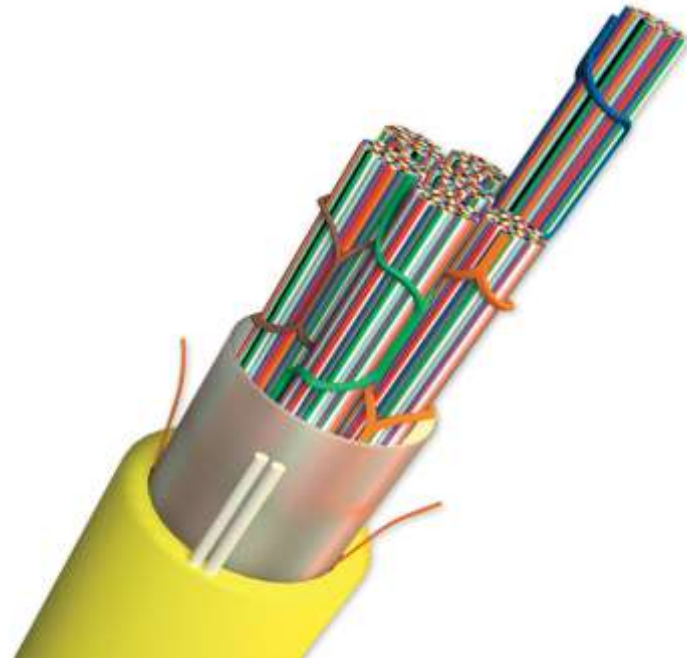
According to Cisco:

- A 1-micrometer dust particle on a single-mode core can block up to 1% of the light (a 0.05dB loss).
- A 9-micrometer speck is still too small to see without a microscope, but it can completely block the fiber core.



Fiber Count

- 100,
- Fiber
- CCTV
- Intru
- Back
- Remo
- Cam



ceivers)

CPR

Heat Release/ Flame spread	Aca	B1ca	B2ca	Cca	Dca	Eca	Fca
Reaction to fire	No contribution to fire growth and no smoke hazard	Combustible but has very little burning	Limited fire growth rate and show a limited heat release rate		Similar to wood, continuous flame spread, a moderate fire growth rate, and a moderate heat release rate.	Small flame attack, is not causing a large flame spread	Cables that fail Eca
Additional categories	None	Additional categories			Additional categories	None	None
Smoke¹		s1a, s1b, s1, s2 or s3	s1a, s1b, s1, s2 or s3	s1a, s1b, s1, s2 or s3	s1a, s1b, s1, s2 or s3		
Flaming droplet/particle²		d0, d1 or d2	d0, d1 or d2	d0, d1 or d2	d0, d1 or d2		
Acid gas³		a1,a2 or a3	a1,a2 or a3	a1,a2 or a3	a1,a2 or a3		
AVCP	System 1+ (factory audit, regular test of product and repeat factory audits by NANDO)				System 3 (test of product by NANDO)	System 4 (test by manufacturer)	
Relevant to fiber optic cables	No	No	Indoor or indoor/outdoor cables			Outdoor cables used in "works"	

- Patch cords?
- Pre terms?



Thank you and always remember

TRUST,

Takes years to build,
seconds to break and
forever to repair...

Space Hellas is your trusted partner