



Achieving High Speeds throughout the Connected Home

by Oscar ciordia, Mktg & sales director KDPOF

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FTTH at your home 300 Mbps, Awesome!!!!



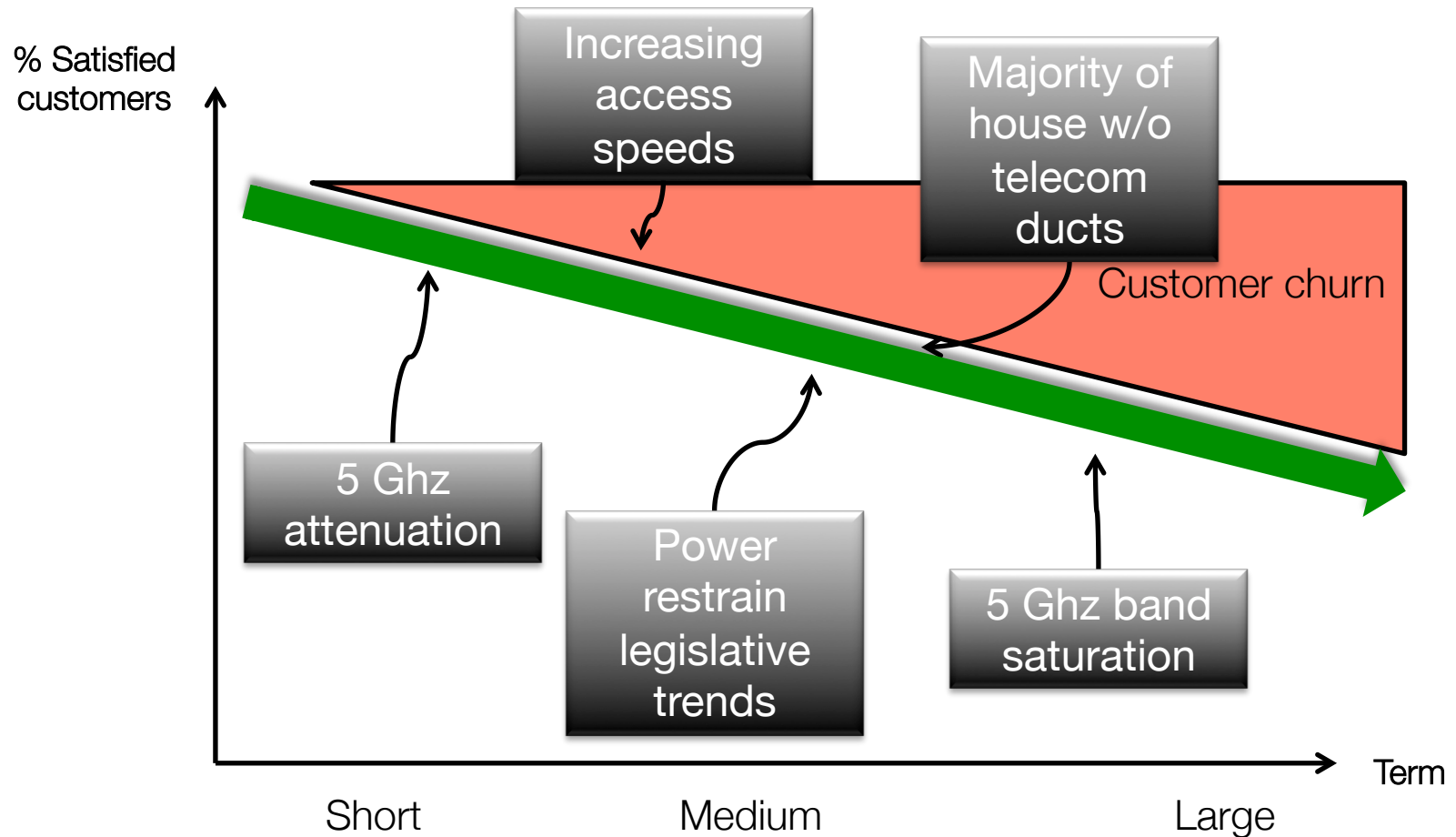
But when I connect to internet in my room



What is the root cause?



Forecasted trend



What are users doing now?



PLC extenders



WiFi Repeaters

Short-term
solutions
unsuitable for a
BB access



Home-brew
solutions

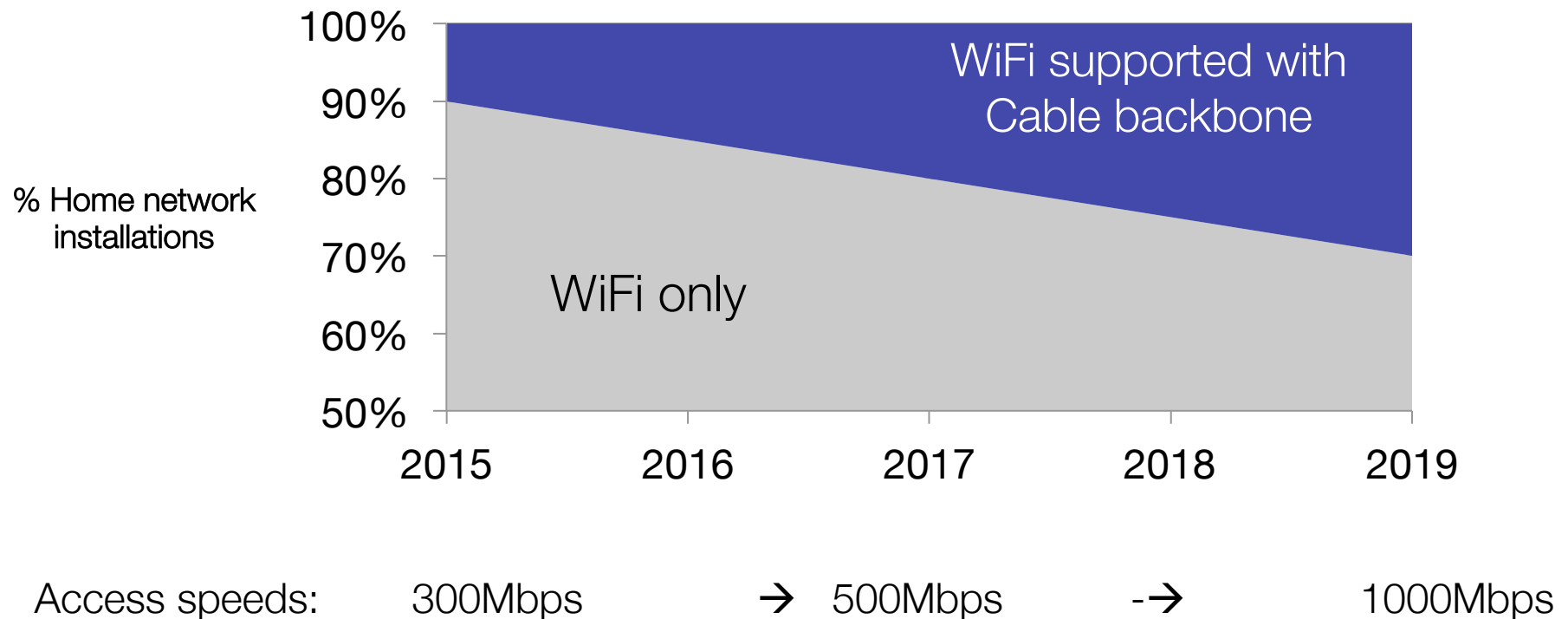
Is there a killer solution?

Broadband cable backhaul (1 Gbps)

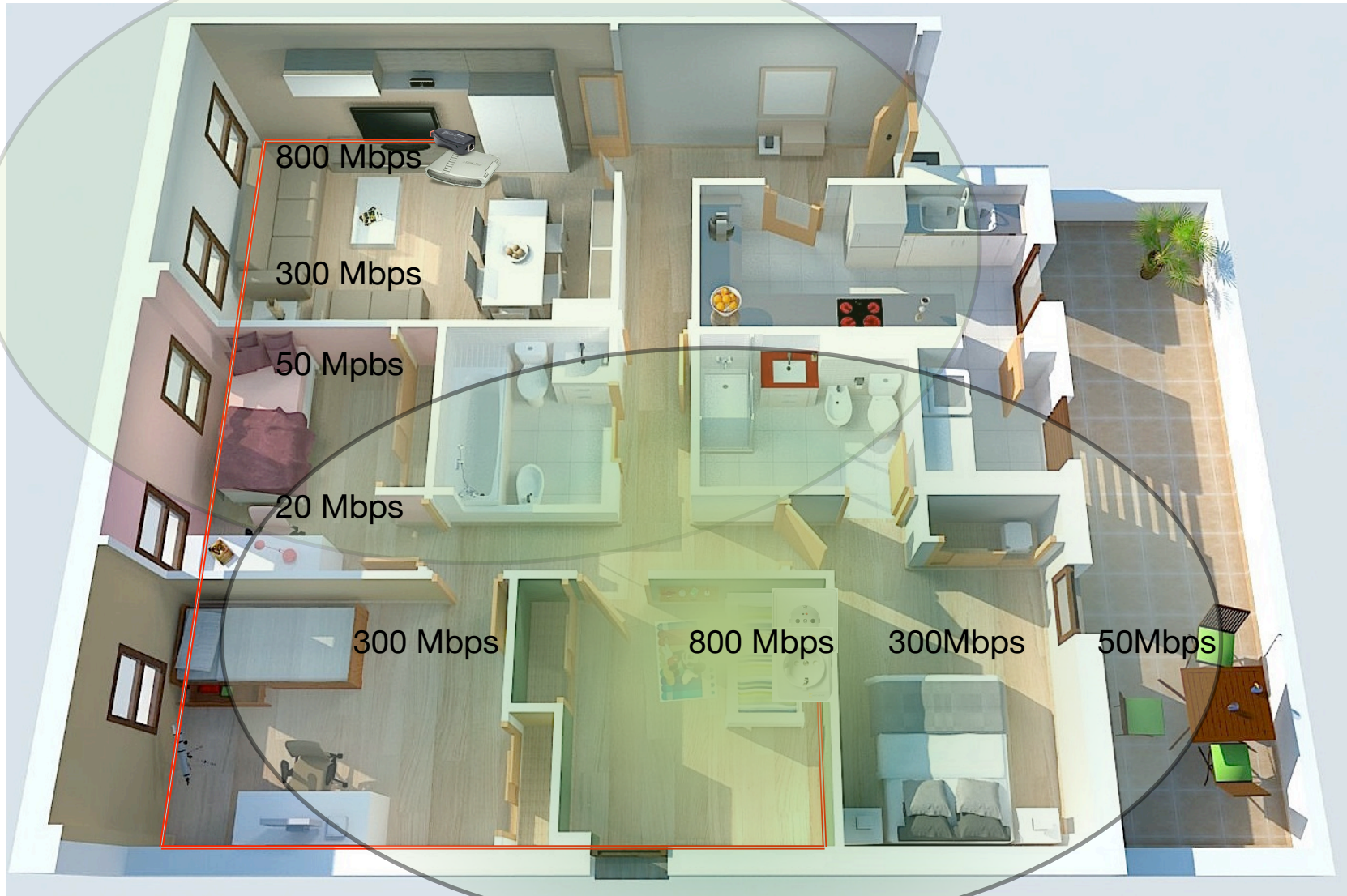


We can improve the trend

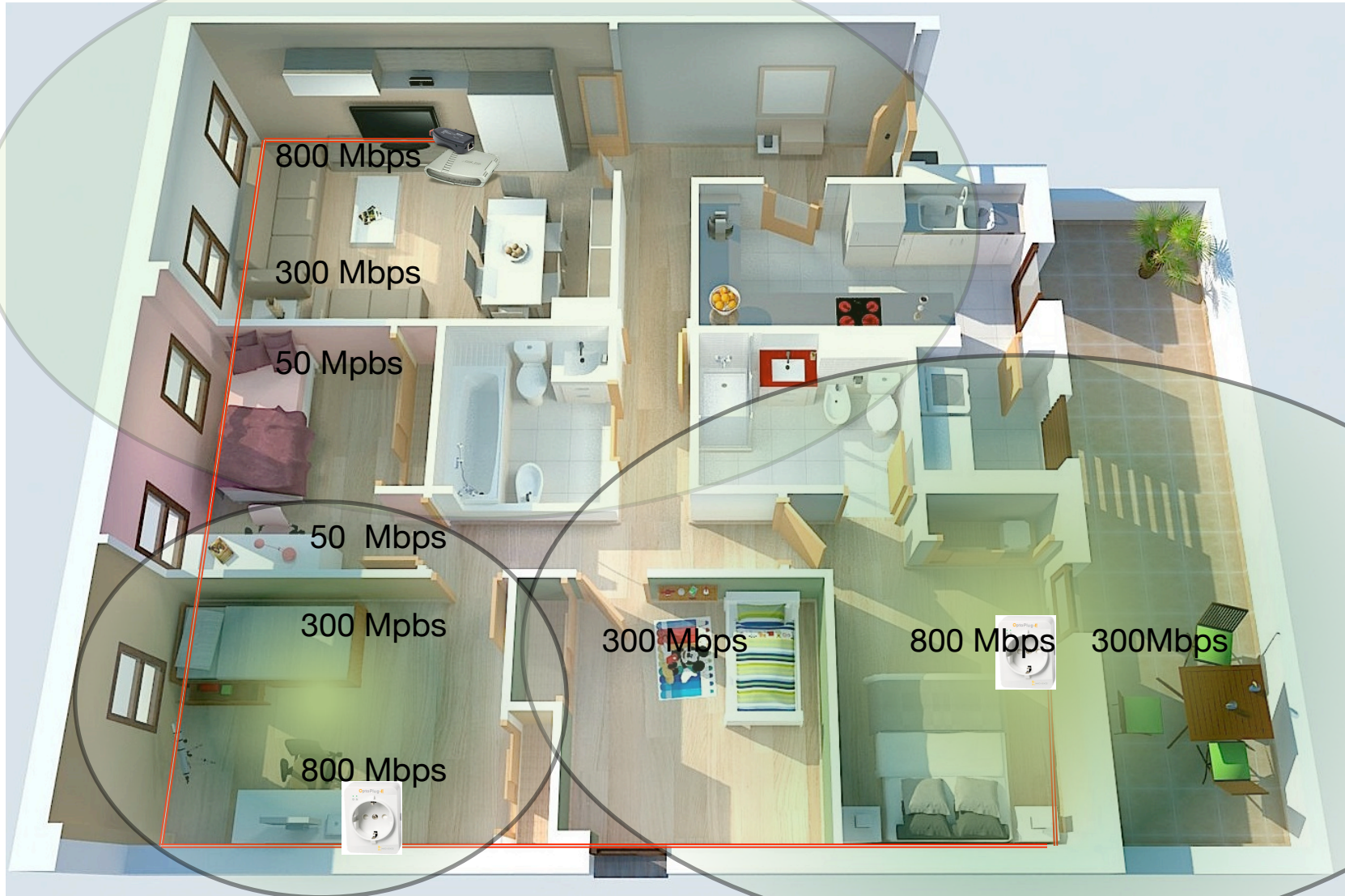
How?: Home cable backbone to extend WiFi coverage.



Example



Another example

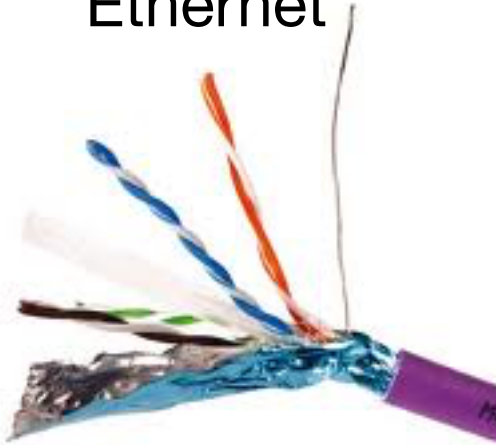


Low Power WiFi AP

Estándar WiFi AP.

Cable? I don't want more cables!!!

Ethernet



Supports 1 Gbps
But...
No beautiful...

Coax



Plastic Optical Fiber



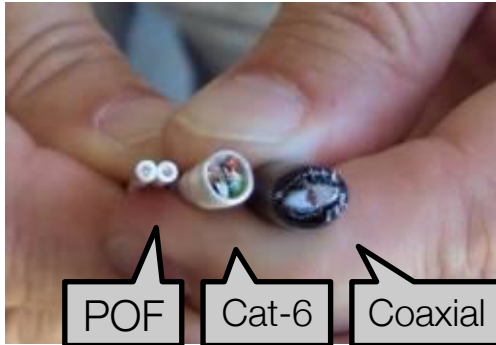
Supports 1 Gbps,
hidden installations,
affordable

Glass Optical Fiber



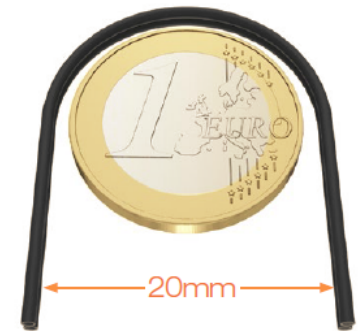
Supports 1 Gbps
But...
Expensive!

POF: Plastic Optical Fiber

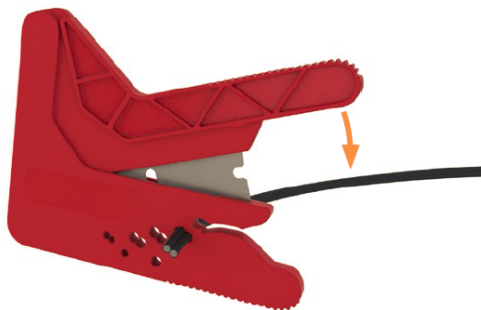


Allows 1 Gbps over 50 meters

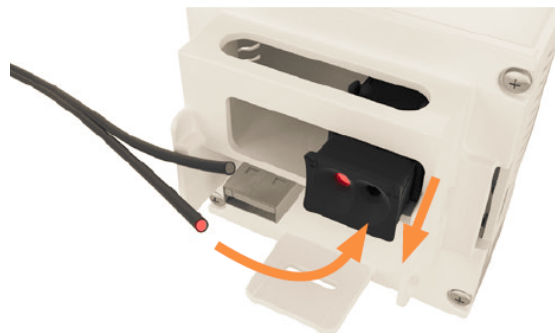
Slim and affordable make it ideally suitable for home installations



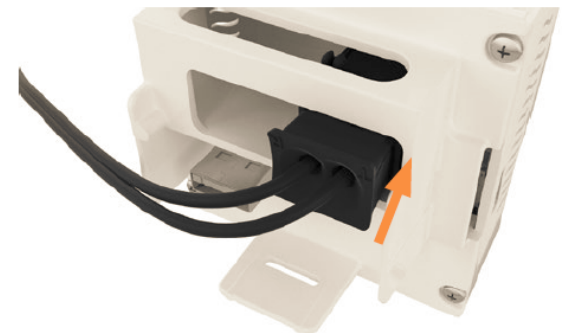
Easy installation. No tools. No training



CUT



INSERT



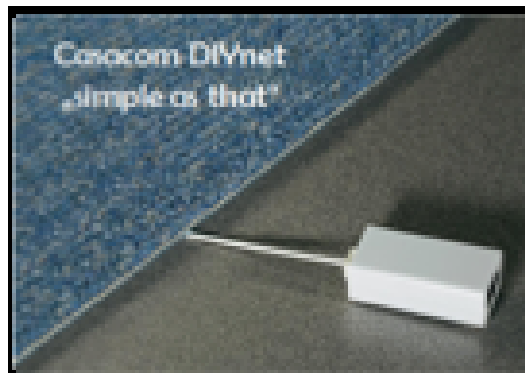
CLAMP

POF installation examples

- Using mains, phone or Coax ducts



- Allows tight bending. Easy to hide under carpets, floors, etc.



Standard technology. Market available

Already a recognized standard

- ETSI TS 105 175-1-2 (2014).
- IEEE 802.3bv (1000BASE-RH) (2016).



Several OEMs with products in the market

casacom 
the home network solution



FRÄNKISCHE



Use case: Broadband through the Home



- Broadband is great but without a reliable home network becomes a problem
- WiFi only is not enough for all the home typologies. A cable backbone is needed
- POF is an ideal cable backbone technology as it is
 - 1 Gbps
 - Affordable
 - Easy to instal
 - Standard and available in the market

Thanks for your attention

You are invited to visit CASACOM's booth

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o.ciordia@kdpof.com
