

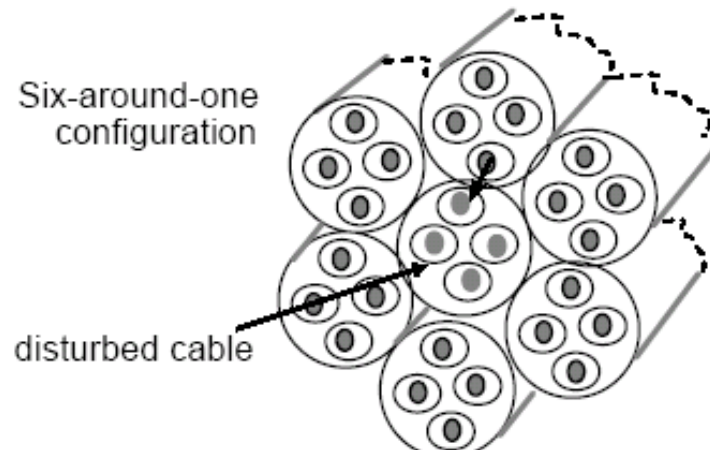


General Cable

Delivering 10 Gig Solutions That Keep You Connected

What is ANEXT?

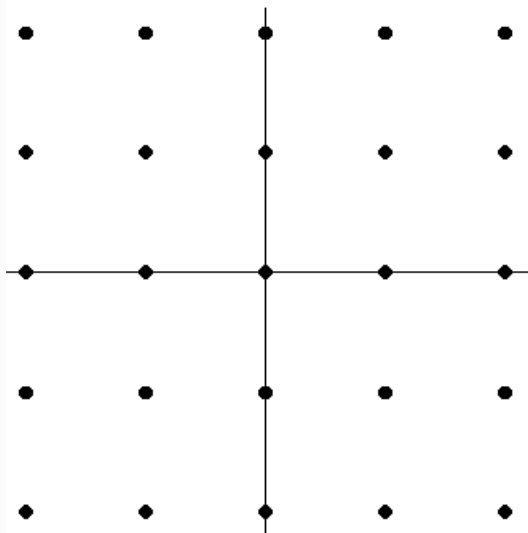
- **Noise between copper based cables used for high speed data communication**
- **The coupling that causes ANEXT will be strongest between pairs that have like pair lays (twist ratios)**



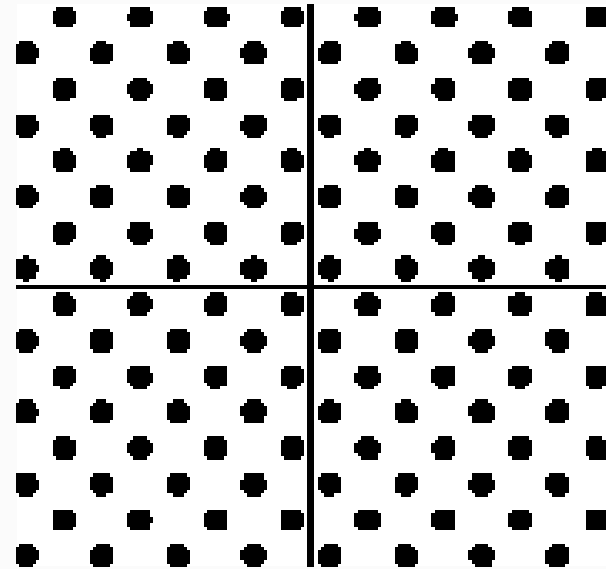
Why is ANEXT an issue for 10 Gig?

- In a 10 Gig system the levels are compressed so closely together that any small variation in the signal can cause the computer confusion.

Category 5 = 5 PAM



10 Gig = 16 PAM



Introducing...GenSPEED® 10 MTP™ (6A)



GenSPEED®
10 MTP™

- An Unshielded-Twisted Pair (UTP) Cable that performs like a Shielded or Foiled-Twisted Pair (STP/FTP)
- **Flex-Separator™** - optimizes internal pair geometry to yield superior electrical performance while maintaining cable flexibility. This unique, miniaturized cross-web stabilizes each pair and creates an overall smaller, round cable profile.
- **Mosaic Crossblock™** - a wrap made up of individual metallic blocks separated by an insulating layer.
- **Less than .305 Diameter**

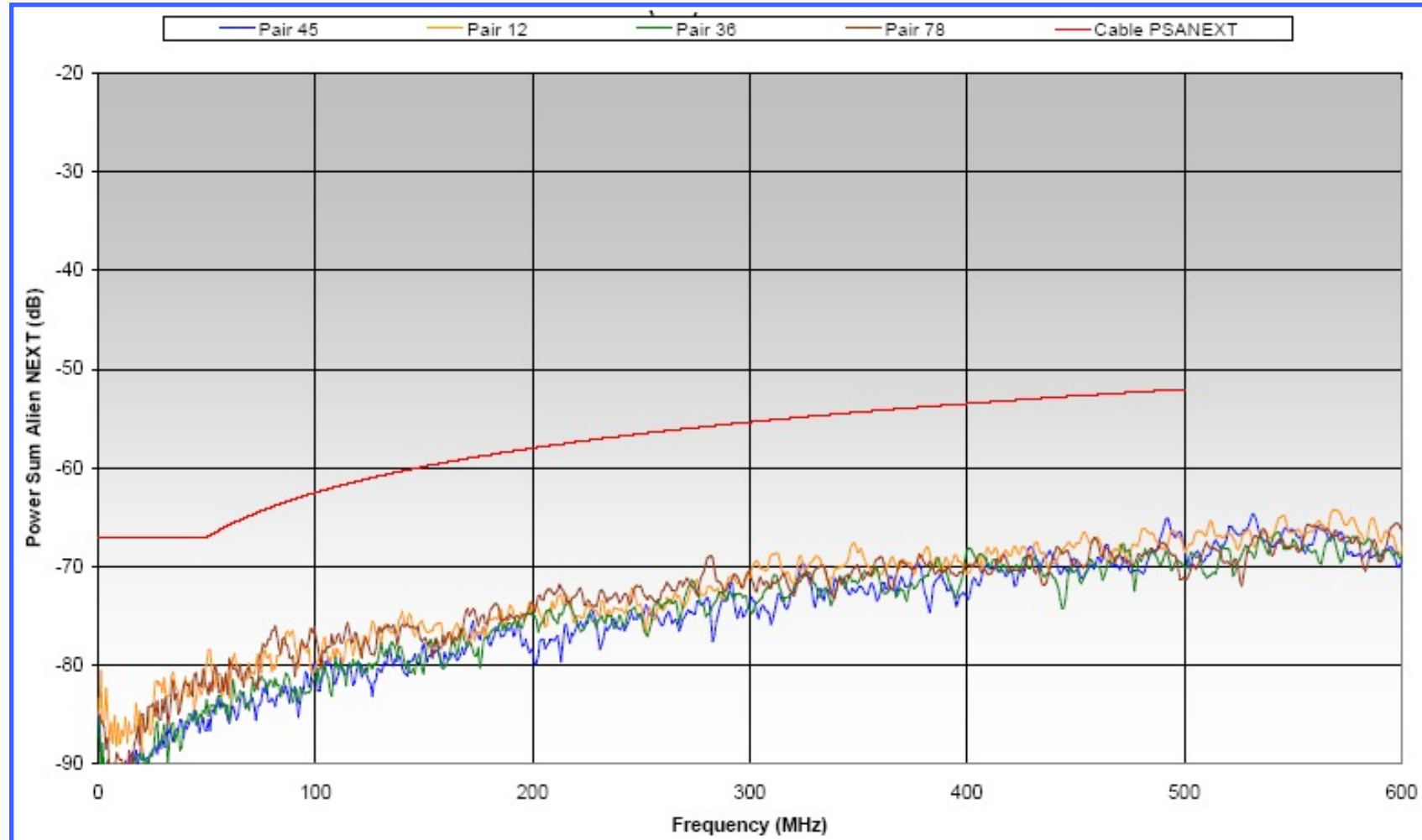
How it Works?

- Each block is an island unto itself and is separated by layers of Mylar.
- The metallic layers are in short enough sections (under a quarter wave length of transmitting signal) to avoid the negative radiating effects of a non-terminated shield.
- Since the blocks are not connected there is no metal to metal contact, and therefore, there is no path for the current to flow longitudinally.
- The overlap of the blocks has been carefully designed to minimize any longitudinal coupling between the blocks
- This means that there is no need to ground the cable.



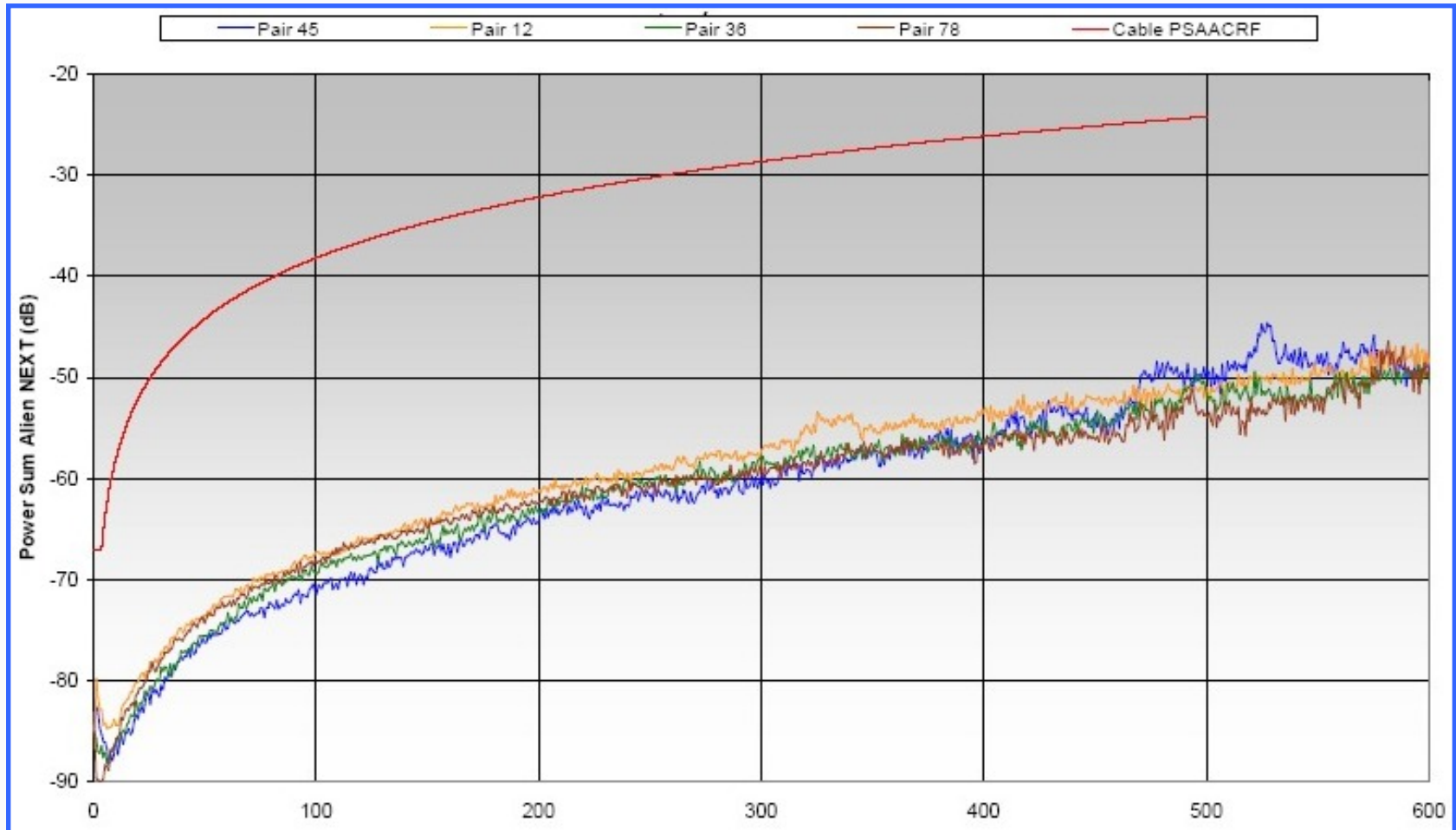
The Results

Cable PSANEXT Bundle Test Performance



The Results

Cable PSAACRF Bundle Test Performance



**Contact General Cable for more information
on this revolutionary product:**

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