

KEWCLEAR®

Eye Opener +

An Alternative to Fiber Optics

Eye Opener + is a trademark of W.L. Gore Associates

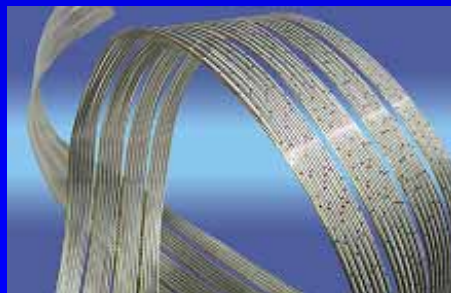
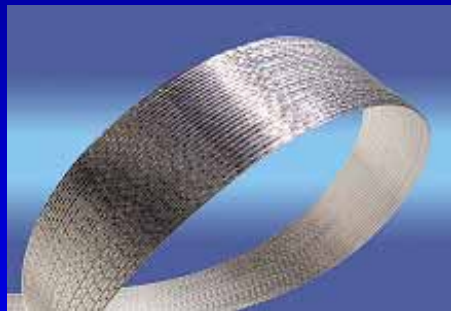
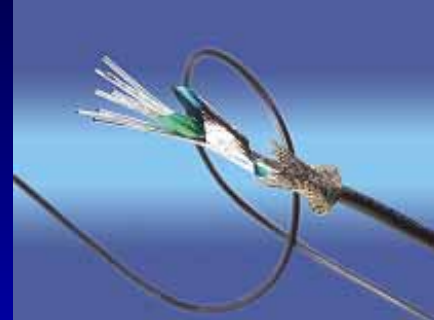
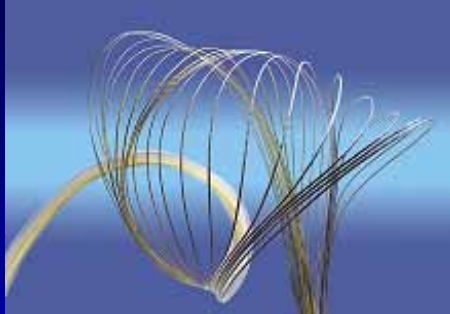
Amphenol Spectra-Strip

SKEWCLEAR[®]

32 AWG to 22 AWG 100 ohm foam PE

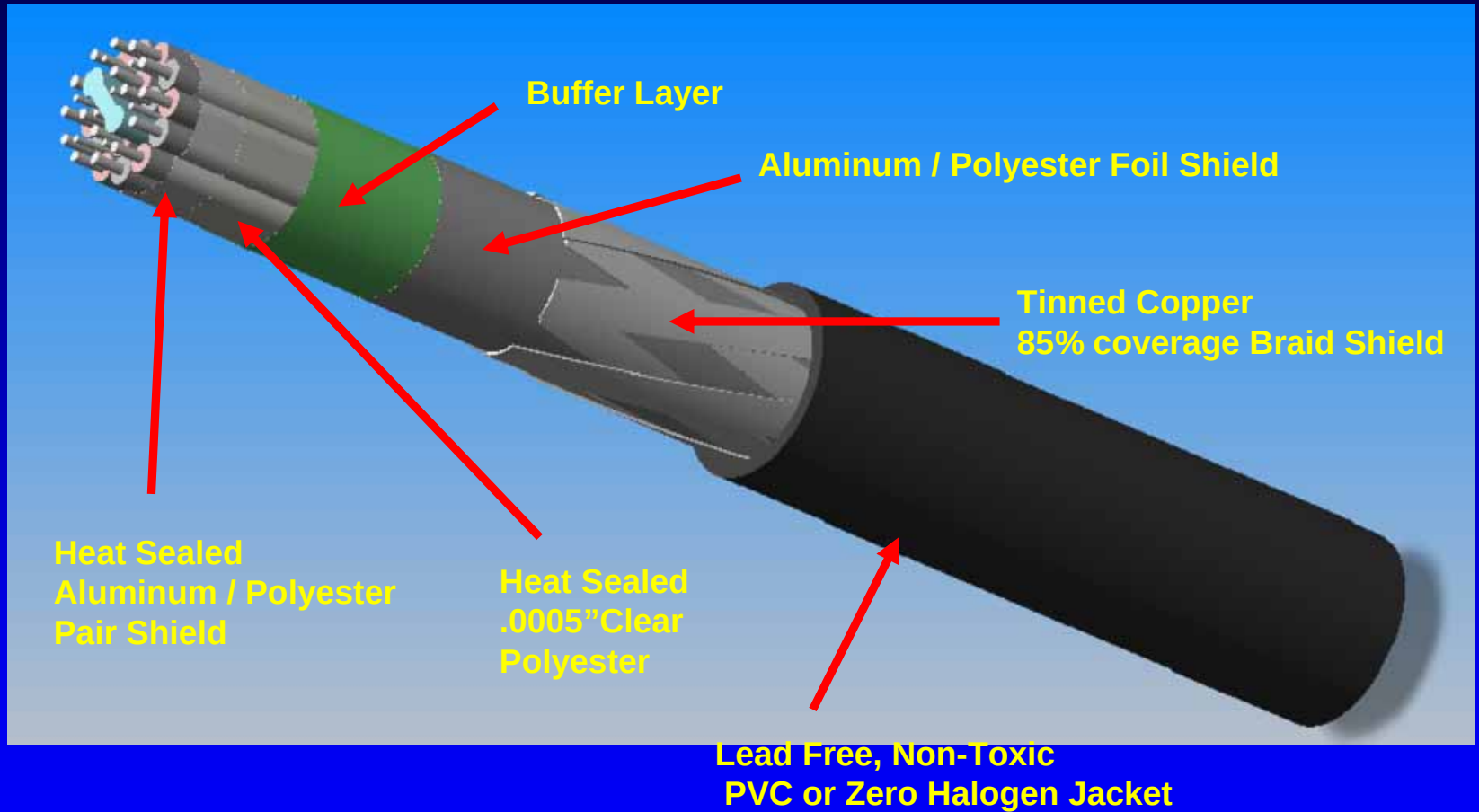
Internal

External



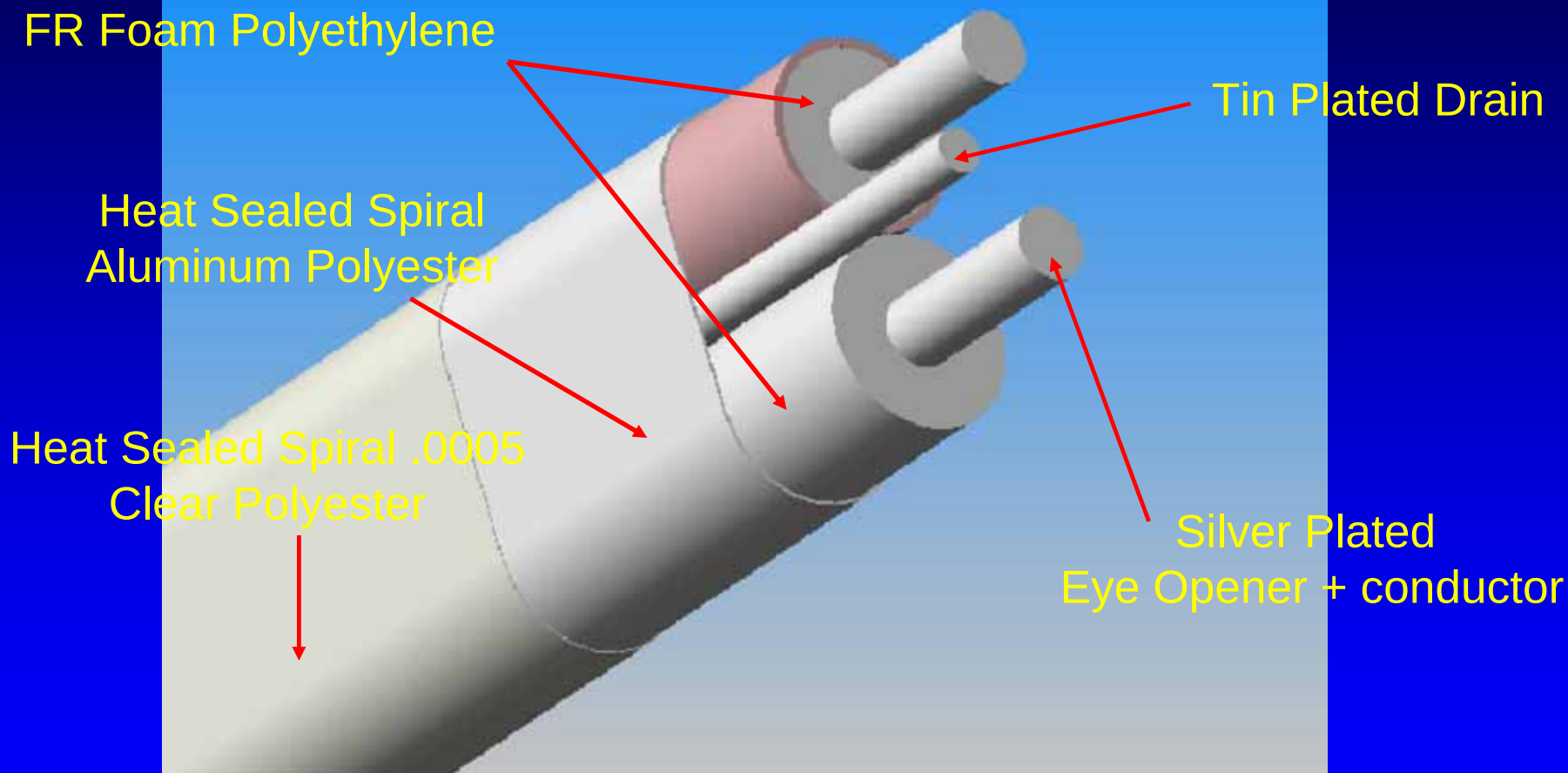
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SKEWCLEAR® 4X



Amphenol Spectra-Strip

SKEWCLEAR® Pair Detail

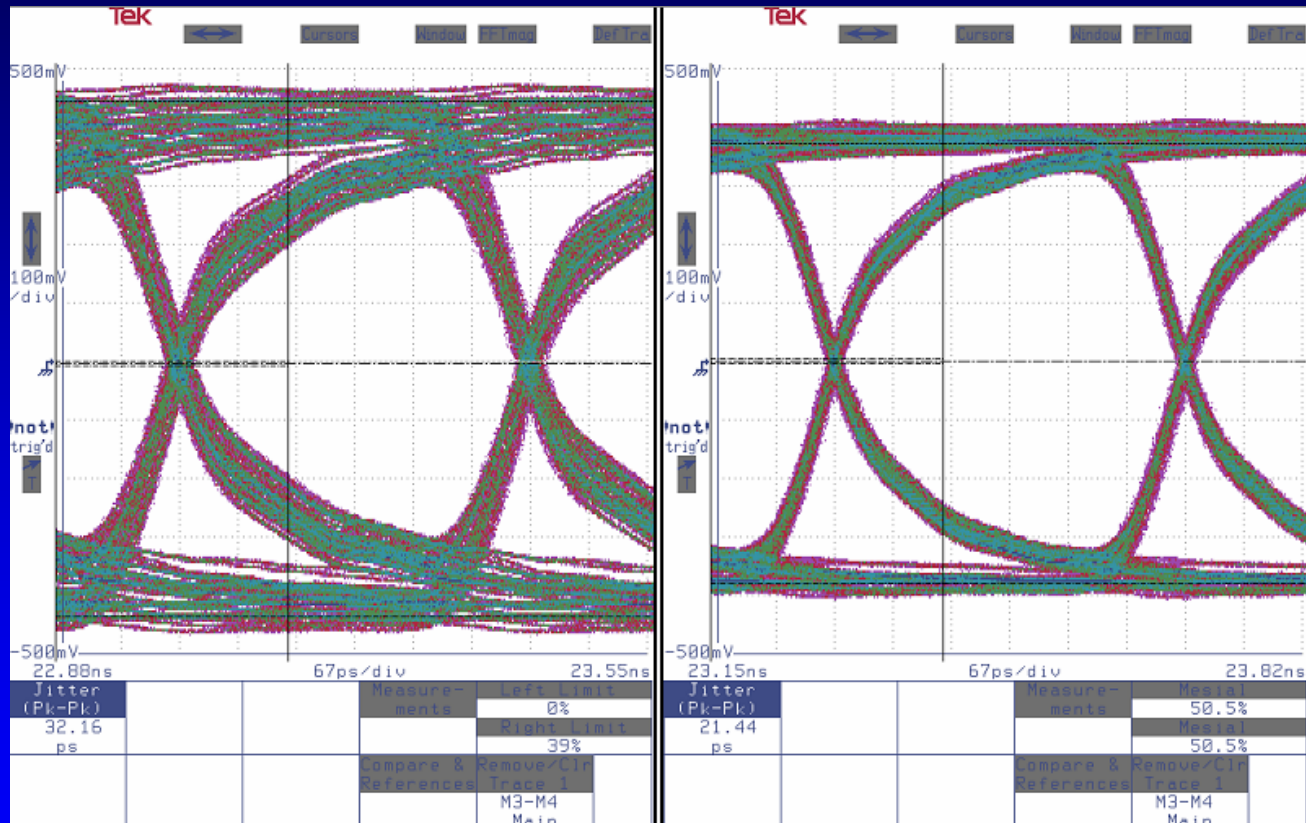


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SKEWCLEAR InfiniBand Eye Opener + tmComparison

SKEWCLEAR Raw Cable, 5 meter 26 AWG 100 ohm 2.5Gb, 2⁻⁷-1 PRBS



Standard Cable

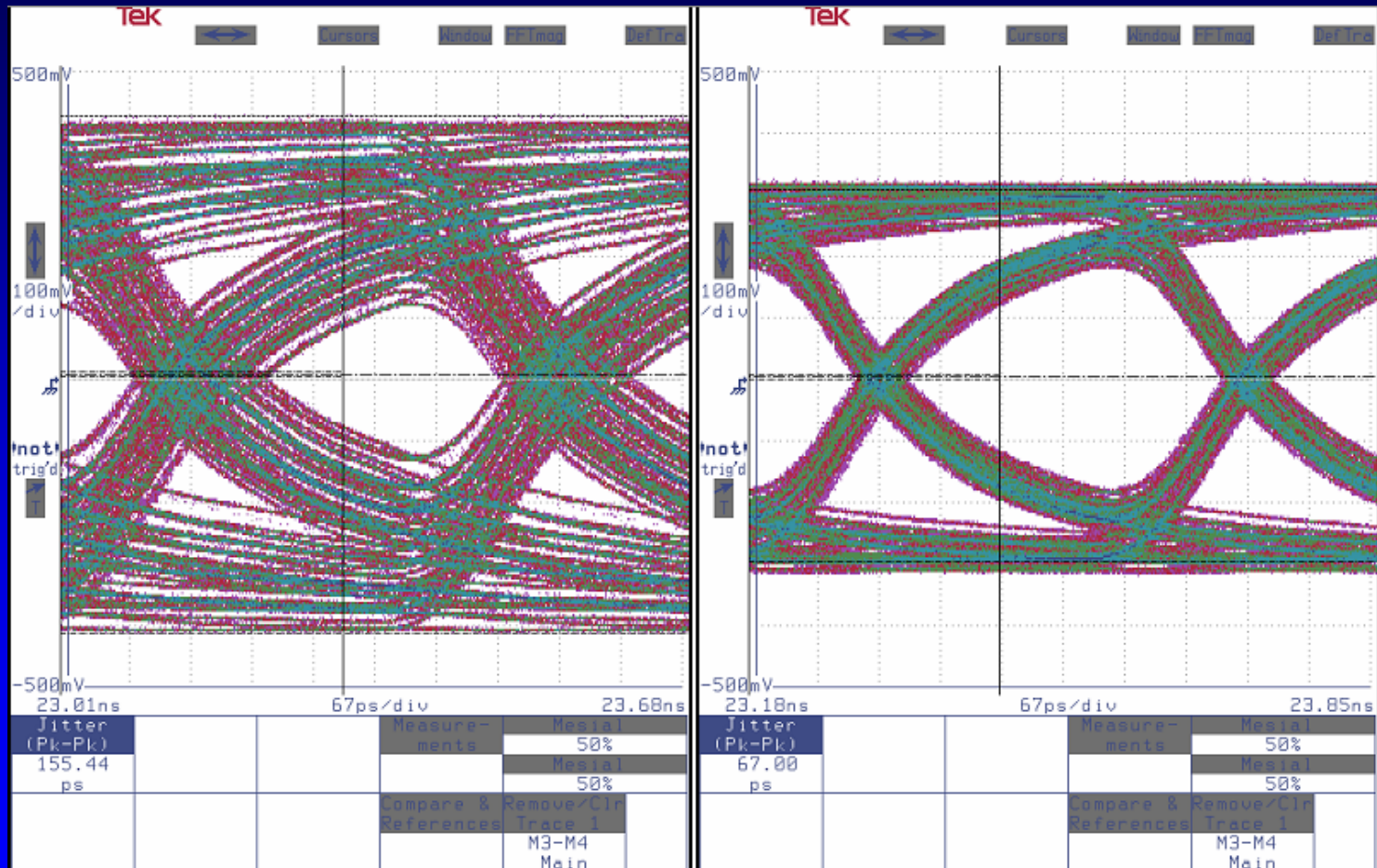
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Eye Opener +

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SKEWCLEAR InfiniBand Eye Opener + tm Comparison

SKEWCLEAR Raw Cable, 10 meter 26 AWG 100 ohm 2.5Gb, 2-7-1 PRBS



Standard Cable

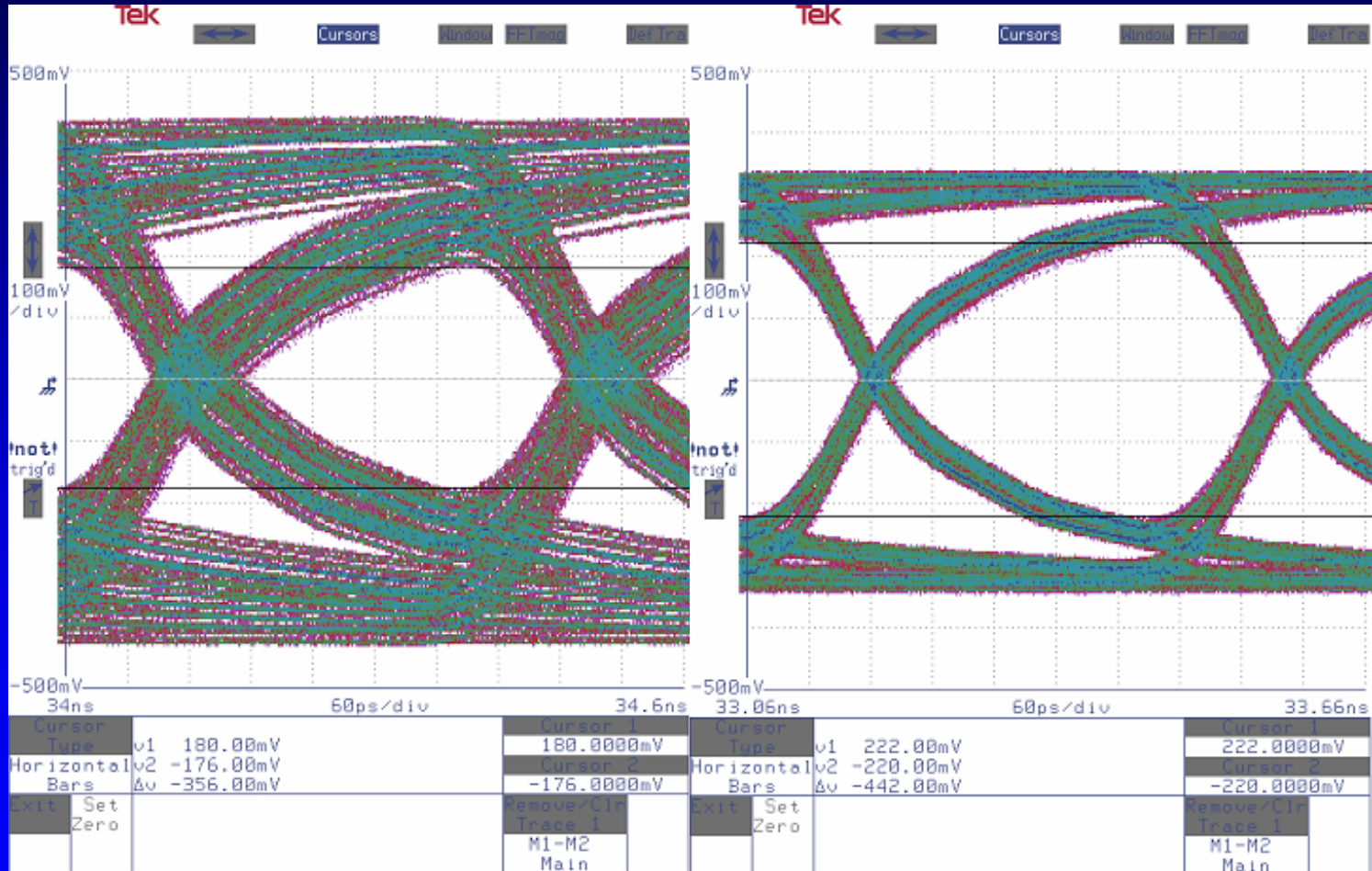
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SKEWCLEAR InfiniBand Eye Opener + tmComparison

SKEWCLEAR Raw Cable, 10 meter 24 AWG 100 ohm 2.5Gb, 2-7-1 PRBS



Standard Cable

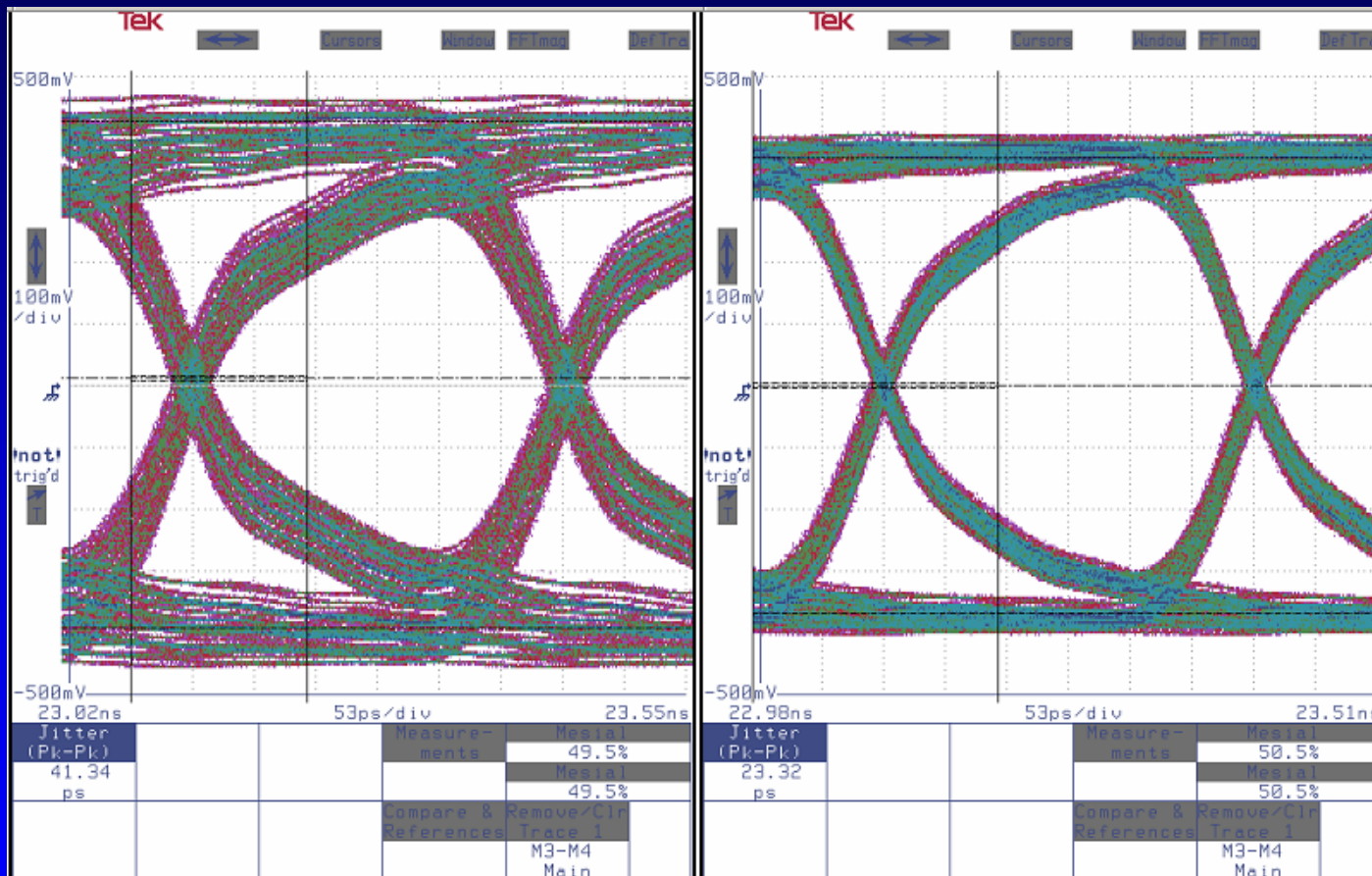
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SKEWCLEAR 10Gb Ethernet Eye Opener + tm Comparison

SKEWCLEAR Raw Cable, 5 meter 26 AWG 100 ohm 3.125Gb, 2⁻⁷-1 PRBS



Standard Cable

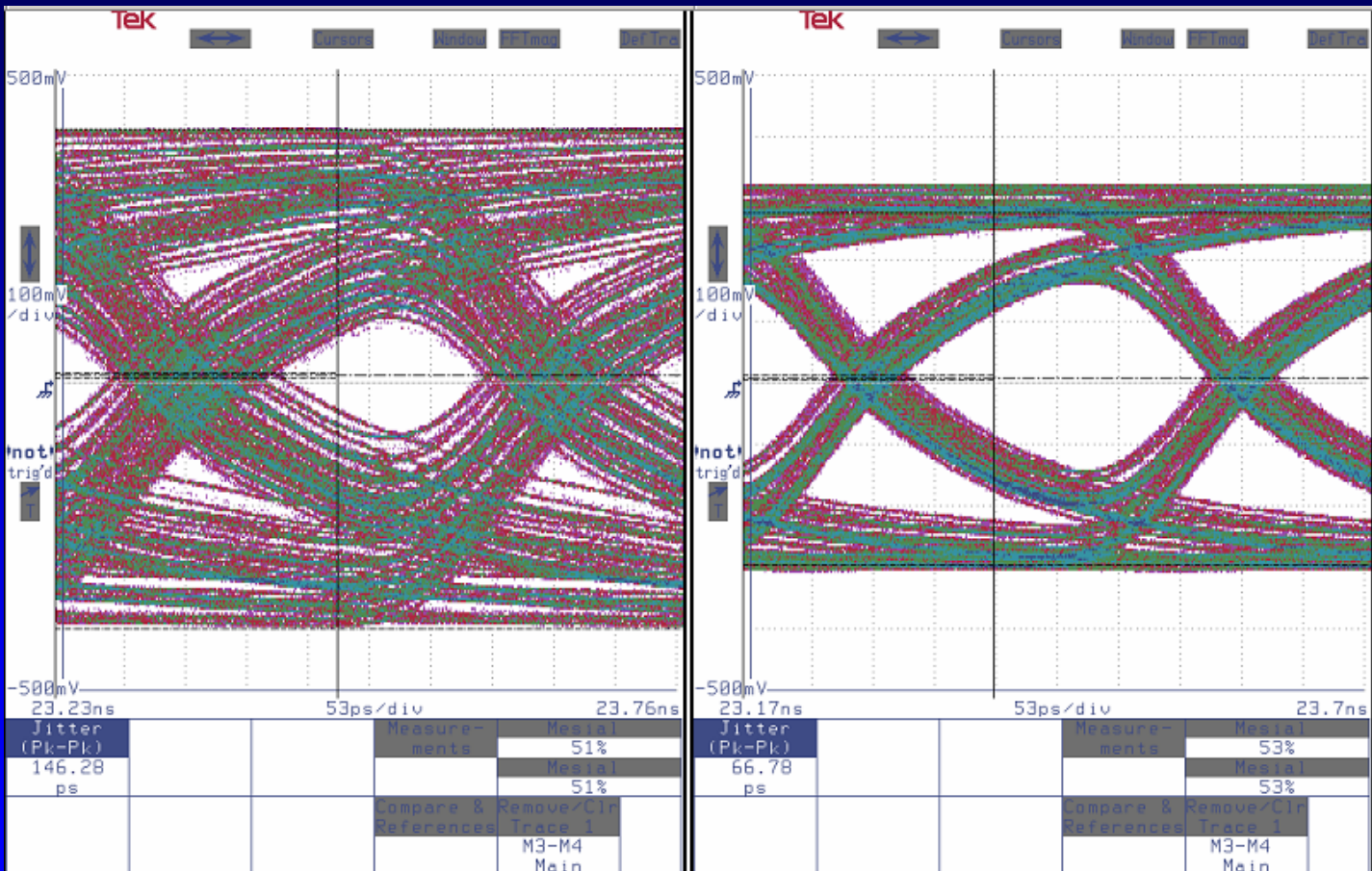
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SKEWCLEAR 10Gb Ethernet Eye Opener + tm Comparison

SKEWCLEAR Raw Cable, 10 meter 26 AWG 100 ohm 3.125Gb, 2⁻⁷-1 PRBS



Standard Cable

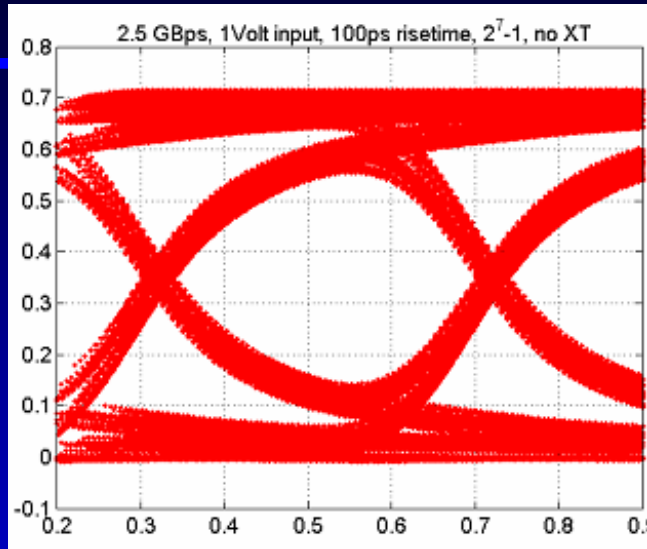
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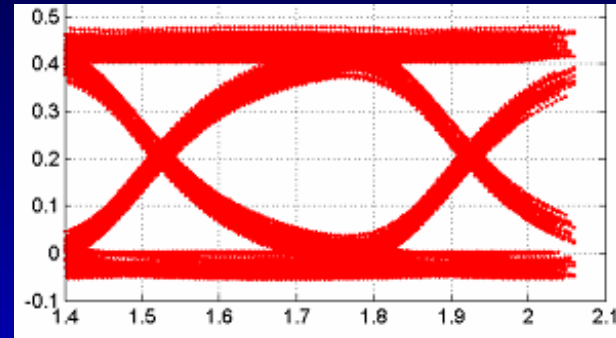
Equalization Comparison

10 meter, 24 AWG, 4X assemblies, No crosstalk

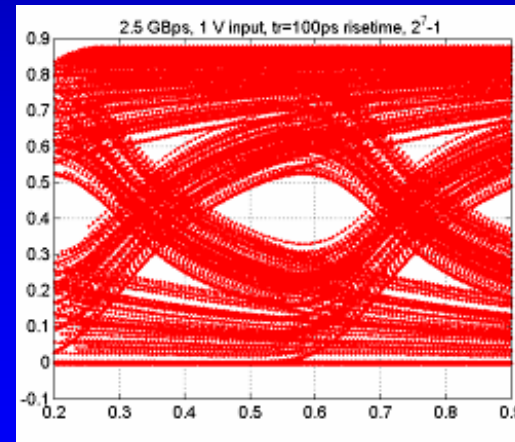


Eye Opener +™

25% Increase in Eye Amplitude



Discrete RLC Equalization, Z0 matched



Standard Cable

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Synergistic Effects

- Benefit: **DESIGN MARGIN**
 - For any given length of EO+, signals will have less jitter and/or larger eye opening than SPC or discrete equalization
 - The characteristic response of Eye- Opener+™ decreases the overall jitter associated with a signal conditioned link
- Benefit: **PRODUCT VERSATILITY**
 - Longer length or smaller AWG than SPC
 - Opportunities for smaller cables with equivalent electrical performance of larger cables
- Benefit: **PRODUCT SIMPLICITY**
 - One cable for all lengths
 - Simpler supply chain
 - No parasitics from RLC circuitry

For More Information Contact:

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