



Introducing High Speed Cable for Consumer Products

TE Connectivity's Madison Cable brand offers innovative high speed cable solutions for the consumer devices industry. Today's consumer devices require higher speeds than ever before. Industry standards such as DisplayPort, HDMI, and USB 3.0 require cables with high bandwidth, low insertion loss and low time delay skew. Our proven high speed manufacturing technologies provide high quality cables that can handle data rates up to 10 Gb/second and beyond. All cable is fully tested before shipment to ensure seamless implementation.

InfiniTwist cable with twisted pair technology, along with a softer PVC jacket, provides extremely flexible cable that can withstand constant handling and still provide superior electrical performance.

TE's high speed cable can be used to manufacture cable assemblies for many high performance/high speed devices such as displays, mass storage, audio and video capture. Customers can choose from our standard offering or work with our dedicated engineering staff to develop a unique and customized solution.

KEY FEATURES

- InfiniTwist twisted pair technology provides better signal transmission characteristics along with improved cable flexibility
- Softer PVC jacket material allows for improved flexibility while maintaining durability
- Silver plated copper twisted pair conductors provide excellent signal integrity
- Supports cable assembly length up to 3 meters
- Excellent crosstalk isolation
- RoHs compliant/ UL VW-1

APPLICATIONS

- High performance storage device cables
- High speed audio or video cables
- High performance peripheral device cables
- Custom applications based on customer requests

PRODUCT OFFERING

- Part Number 14ZZSLF016

SPECIFICATIONS

- Product Specification #102-1465

ELECTRICAL

- 100 ohms differential impedance
- Clean bandwidths up to 15 GHz
- Skew less than 50 ps/3 meters
- Insertion loss of 5 dB/meter at 5 GHz typical

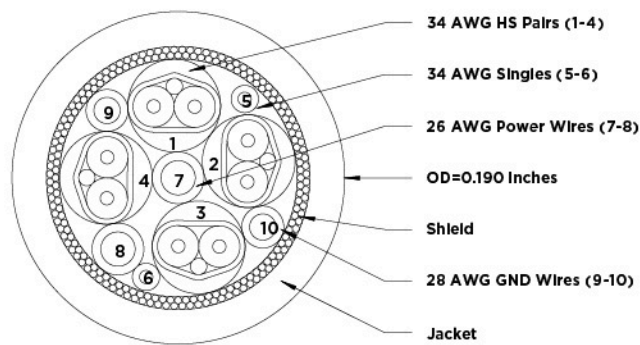
MATERIALS

- Silver plated copper 34 AWG twisted pairs
- 26 AWG tin plated copper power conductor
- 34 AWG tin plated copper signal conductors
- 28 AWG power ground conductors
- 40 AWG braided tin plated copper outer shield
- PVC jacket
- Low smoke Zero Halogen designs available

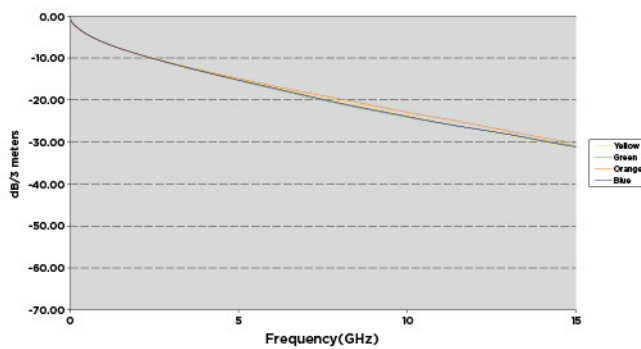
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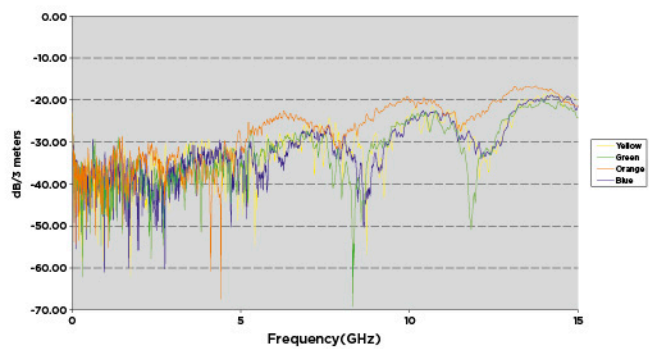
CABLE CROSS SECTION



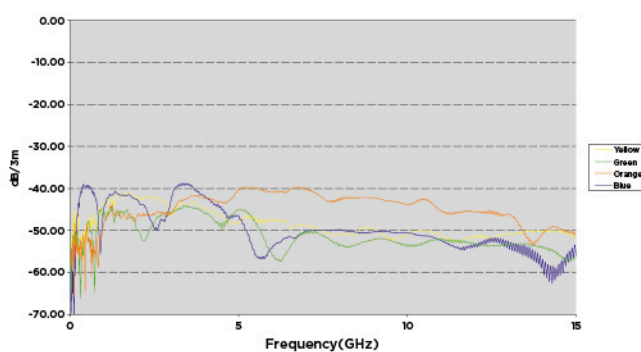
INSERTION LOSS (SDD21) --- 3 METER



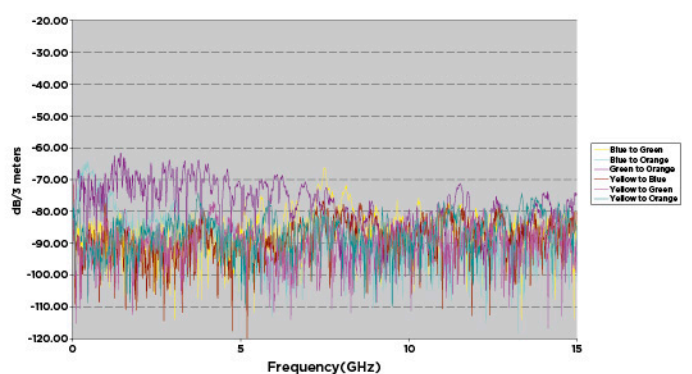
RETURN LOSS (SDD11) --- 3 METER



MODE CONVERSION (SCD21) --- 3 METER



NEAR END CROSS TALK --- 3 METER



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