



## Introducing

### Low Smoke Zero Halogen High Speed Parallel Pair Cables

The new Madison Cable TurboTwin Low Smoke Zero Halogen (LSZH) cables from TE Connectivity support speeds up to 16 Gb/s for high-speed connectivity in the computer, networking, and telecom markets. The parallel-pair cable design achieves exceptional performance consistency between pairs and between manufacturing runs of cables.

In the event the LSZH cables are in the area of a fire, the LSZH cables minimize emission of smoke and toxic gases. These LSZH cables are PVC free to answer the growing concern about the potential health and environmental effects of PVC.

The two to eight pair cables are available in a wire range from 30 AWG to 24 AWG. Individual pairs are foil shielded, with an overall cable shield of foil/braid. They support high-speed applications such as Gigabit/10G Ethernet, InfiniBand, Fibre Channel, SFP, SFP+, XFP, QSFP+, CXP, CR4 and CR10 standards.



# Low Smoke Zero Halogen High Speed Parallel Pair Cables

## KEY FEATURES

- PVC Free
- Contains no halogens
- Available in #30, #28, #26, and #24 AWG
- Tightly controlled impedance
- Excellent performance consistency within and between the pairs of a cable as well as manufacturing lot to lot performance
- Pair numbering and polarity marking facilitate mass termination
- Produces less smoke when burned allowing easier/quick egress from a burning building
- Produces less soot damage to equipment located near a fire
- Utilizes TE Connectivity Madison Cable brand TurboTwin parallel pair cables

## TE Technical Support Center

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## APPLICATIONS

- Gigabit/10G Ethernet
- InfiniBand 1X and 4X SDR, DDR, and QDR standard
- Fibre Channel
- SFP, SFP+
- XFP
- QSFP+
- CXP
- CR4, CR10
- High speed connectivity in the computer, networking, and telecom markets
- Custom designs based on customer requirements

## ELECTRICAL

- 100 Ohm Impedance
- Supports transmission speeds up to 16 Ghz
- Performance guaranteed by complete electrical testing including Scattering Parameters

## MATERIALS

- Silver plated conductors used for excellent signal integrity
- Insulation and jacket compounds do not contain any halogens

## PRODUCT OFFERING

8 Ghz Performance			
Part Number	Specification	Number of Pairs	AWG Size
04KB2LF012	101-8871	2	30
04KD2LF025	101-8874	2	28
04KE2LF016	101-8885	2	26
04KF2LF021	101-8887	2	24
16KB2LF019	101-9508	8	30
16KD2LF031	101-9509	8	28
16KE2LF028	101-9510	8	26
16KF2LF028	101-9511	8	24
10 Ghz Performance			
Part Number	Specification	Number of Pairs	AWG Size
04KB2LF013	101-8873	2	30
04KD2LF026	101-8891	2	28
04KE2LF017	101-8991	2	26
04KF2LF022	101-8992	2	24
16KB2LF020	101-9512	8	30
16KD2LF032	101-9513	8	28
16KE2LF029	101-9514	8	26
16KF2LF029	101-9515	8	24



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