

1<sup>st</sup> with a Guaranteed Zero Bit Error Rate.  
 1<sup>st</sup> in Networking Efficiency.

## Zero Bit Errorrate

GUARANTEED

Data transmission  
 through your  
 cabling system  
 could not be  
 any better !

KRONE / Prestolite have developed new testing and manufacturing methods which assure that all cable and connection components are tuned to eliminate impedance mismatches throughout the entire structured cabling system. As a result only KRONE / Prestolite warrants performance that goes far beyond Category 5.5e or 6 compliance with our revolutionary TRUENET™ cabling system. TRUENET ensures you get the most from your active network equipment and all the bandwidth you pay for.

TRUENET optimizes bandwidth and network speed within the structured cabling channel by eliminating data re-transmissions. This is accomplished through implementation of impedance-matching standards that are five times more rigorous than the current industry standard. The result - we guarantee zero bit error rata data transmission throughout your entire cabling system channel including patch panels, horizontal cabling, jacks and patch cords.

**TRUENET**®

**prestolite**  
 wire



## 20 year warranty from one source

### Guaranteed system performance.

The long-term capability of your structured cabling system will impact your company's ability to compete. Regardless of the sophistication of your telecommunications and data network today, it can be driven to a grinding halt as greater and greater demands are placed on it in the future.

These enhanced performance options enable you to install today the level of "future-proofing" your business will require to meet the challenges of tomorrow.

### With the PremisNET® warranty KRONE offers you a pioneering safety factor.

You'll get the highest performing, most complete, copper and fiber structured cabling system on the market. And, it will all be tailored to fit your specific applications and warranted through a single source.

### PremisNET® and TRUENET for your individual needs.

Choose the level depending on your and your customers' individual needs of safety for the future.

### Choose your warranty level!

PremisNET® offers you optimum safety with different warranty levels and complete packages for your individual needs.

Contact your KRONE-Partner for your optimum PremisNET® warranty.

## 20/5 year warranty

Choose from different levels of enhanced performance

Complete structured cabling system solutions for campus, backbone and horizontal applications

Superior copper and fiber cabling technology

Single point of contact: KRONE

Performance levels, applications, and products are warranted globally.

Performance levels, applications, and products are warranted globally.

20 years on components  
system performance  
application running

5 years on 100% data throughput on TrueNet TM components



## Warranty Levels

For the optimum safety of your investments, individual PremisNET® warranty-levels are available for any network configurations and for any demands.

## PremisNET® FOR WARRANTED SAFETY WORLD-WIDE

KRONE PremisNET® warrants impeccable quality with tailor-made cabling systems for private buildings, industrial building complexes and small business solutions. All the production facilities are certified under ISO 9001, and all products and manufacturing processes are permanently subjected to testing and inspection by independent institutes.

PremisNET® 's unparalleled product diversity for structured cabling applications complies with all performance requirements and means future-proof investment in connecting hardware for copper and optical fiber solutions.

Rounded off with cables from the KRONE portfolio, this results in a perfectly matched system. PremisNET® ensures maximum safety for the future thanks to the Cat. 5e and Cat. 6 guarantee levels, as well as the unique 100% throughput warranty of TrueNet™ as a system which corresponds to the requirements of the platinum and silver guarantee levels.

-  Uncompromising customer service
-  International commitment to top quality
-  Unrivalled product performance
-  Full-scale product portfolio available throughout the world



Platinum  
TrueNet™ Cat. 6  
C6T

Gold  
Cat. 6 / Class E\*  
C6

Silver  
TrueNet™ Cat. 5e  
C5eT

Bronze  
Cat. 5e / Class D\*  
C5e

\* Classes D and E as defined in ISO/IEC 11801 and EN 50173.  
Cat. 5e as defined in EIA/TIA 568-A.5 (for Ggabit Ethernet).  
Cat. 6 as proposed in EIA/TIA 568-B.



## How to protect your future with KRONE

1. Call the KRONE representative in your area and discuss your needs.
2. A PremisNET® Installer will specify and design your system.
3. A PremisNET® Installer will install and field-test your system, ensuring that it is properly constructed to meet your networking requirements.
4. KRONE reviews the documentation submitted by the PremisNET® Installer.
5. KRONE issues a PremisNET® Warranty certificate to you that assures the performance of your system for twenty years.
6. Simply call your PremisNET® Installer as needed for ongoing service and support. They're available to keep your KRONE Warranted System operating as it should throughout the entire warranty period.



### WE WARRANT ALL YOUR APPLICATIONS:

#### Copper Applications

PBX  
 IBM 3270, System 3x  
 10 Base T  
 Token Ring  
 ATM 155 Mbps  
 100 Base T  
 100 Base VG  
 1000 Base T = Gigabit Ethernet  
 TP-PMD  
 and others...

#### Fiber Applications:

FOIRL  
 10 Base F  
 FDDI  
 HPPI  
 ATM  
 Fiber Channel  
 and others...

## TECHNICAL EXPLANATIONS:

### CROSSTALK:

Crosstalk describes the dimension of unwanted electrical coupling between pairs. It consists of two components, namely near-end-crosstalk (NEXT) and far-end-crosstalk (FEXT).

### NEXT:

NEXT is expressed as the difference between the transmitted signals of a pair and the signal volume of the receiving pair at the sender side (measured in dB in case of logarithmic scaling).

### FEXT:

FEXT is expressed as the difference between the transmitted signals of a pair and the signal volume of the receiving pair at the receiver side (measured in dB in case of logarithmic scaling).

### Attenuation:

The attenuation (measured in dB) describes the loss of a signal over the length of a system. It increases linearly to the length of a connection and depends on temperature and frequency.

### ACR (Attenuation to Crosstalk-Ratio):

The ACR is determined as the difference between near-end-crosstalk and attenuation (measured in dB in case of logarithmic scaling). It indicates the relation between attenuation and NEXT at a predefined frequency and can thus be considered as a direct criterion for judging the quality of the transmission distance.

### EL-FEXT:

The EL-FEXT is determined analogously. It results from the difference between FEXT und attenuation (= FEXT - attenuation) and thus includes the influence of the attenuation in the quality of the transmission.

### Delay Skew

Delay Skew measures the difference in the run time of signals in case of distributed data transfer over 4 pairs. It has to be as unimportant as possible in order to enable the joining of data at the end of the line.

### Return Loss

Return Loss describes the signal part reflected by inhomogeneities on the distance.

### EIA/TIA 568-A.5:

Standard valid for Cat. 5e (GigabitEthernet).

### EIA/TIA 568-B:

Future Standard for Cat. 6 (250 MHz)

### T568A and T568B:

Two different colour codes for connecting RJ 45 sockets.