



Certificate

Customer: Krugel Exim spol. s.r.o.
Rybníčná 38/H

SK-831 06 Bratislava

Description:

PatchPanel:	KELine 10Giga KOMPAKT 24xRJ45/s, Cat.6 Part-No.: 50 60 58
Outlet:	KELine 10Giga KOMPAKT 2xRJ45/s, Cat.6 Part-No.: 50 12 07
Data Cable 90m	KELine 10Giga S-STP 4x2xAWG23 Cat.7 (900MHz) LSOH Part-No.: KE900HS 23
Patchcord: 2m + 3m	KELine 10Giga Patchcord S-STP LSOH Part-No.: KEL-C6-S-xxx
CP-Cord: 2m + 3m	KELine 10Giga Patchcord S-STP LSOH Side A: RJ45-Plug; Side B: 10 Giga Keystone Jack

Applied standards:

- ISO/IEC 11801 Amendment 1 (2008-04)
Information technology – Generic cabling for customer premises
- ISO/IEC TR-24750 Assessment and mitigation of installed balanced cabling channels in order to support 10GBASE-T
- ANSI/TIA-568-B.2-10 (2008-03)
Transmission performance specifications for 4-pair 100 Ω Augmented category 6 cabling
- ANSI/TIA-TSB-155 (2007-03)
Additional guidelines for 4-pair 100 Ω category 6 cabling for 10GBase-T
- IEEE 802.3an TM-2006
Local and Metropolitan Area Networks (10 GBASE-T)

Results: Up to a bandwidth of **500MHz** the sample, a **4-Connector-Channel**, meet the **Class Ea** limits of the specified standards and regulations.

PS ANEXT and PS AACR-F met by design for Class E_A, because the result of the Coupling Attenuation is better than 50 dB at 30 MHz < f < 100 MHz and 90 -20*log(f) dB at 100 MHz < f < 1.000 MHz. The test results which were determined in the course of the measurement refer to the submitted specimen. Any future technical modifications of the data cables or connectors are subject to the responsibility of the manufacturer.

This Certificate refers to the comprehensive test report, **no. P1966b-08-E, from October 24th 2008** and shall only be applicable in conjunction with the test report.

Bexbach, October 24th 2008

Dirk Wilhelm, engineer
(Chairman of the Managing Board)



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