



Certificate

Customer:	Phoenix Contact GmbH & Co. KG Flachsmarktstr. 8-28 D-32825 Blomberg		
Description:	Overvoltage protection:	Phoenix Contact DT-LAN-CAT.6 Part-No.: 28 81 007	
	Modular Jack:	TrueNet® KM8 RJ45 Jack KM8 Jack STP Part-No.: 6830 1 810-0x	x = colour
	Patch Cord:	R&M Patch Cord shielded S/FTP 4P LSFROH Cat.6 Part-No.: R30233x	x = length
	Data Cable:	LAPPKABEL Stuttgart UNITRONIC LAN UTP/BS 250 MHz Cat. 6 4x2xAWG24 Part-No.: 2170411	
Applied standards:	ISO/IEC 11801 Amendment 1 JTC 1/SC N1255 (2006-10) 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 TIA/EIA-568-B.2-10 (Draft 5.0, 2006-07) Transmission performance specifications for 4-pair 100 Ω category 6 cabling ANSI/TIA-TSB-155 Additional guidelines for 4-pair 100 Ω category 6 cabling for 10GBase-T IEEE 802.3an TM-2006 Local and Metropolitan Area Networks (10GBase-T)		
Results:	The sample meets the limits (Attenuation, NEXT, Return Loss) of the specified standards and regulations according an Augmented Class E 4-Connector-Channel (100m) until 500MHz.		

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. P1646b-07-E, from January 16th 2007** and shall only be applicable in conjunction with the test report.

Bexbach, January 16th 2007

Dirk Wilhelm, engineer
(Chairman of the Managing Board)



GHMT AG
In der Kolling 13
D-66450 Bexbach
Phone: +49 (0) 68 26 / 92 28 – 0
Fax: +49 (0) 68 26 / 92 28 – 99
E-Mail: info@ghmt.de
<http://www.ghmt.de>