ISO/IEC 14763-4:2018-02 (E)

Information technology - Implementation and operation of customer premises cabling - Part 4: Measurement of end-to-end (E2E)-Links

CONTENTS

FOREWORD 3
INTRODUCTION 4
1 Scope 5
2 Normative references 5
3 Terms, definitions and abbreviated terms 6
3.1 Terms and definitions 6
3.2 Abbreviated terms 6
4 Conformance 6
5 Configuration and limits of performance of E2E link 6
6 Test configuration of E2E link 7
7 E2E link testing 7
8 Laboratory testing of E2E link 7
9 Field testing of E2E link 8
9.1 Visual inspection 8
9.2 Requirements of field test equipment 8
9.3 Field test measurement parameters 8
10 Test head requirements 8
10.1 General 8
10.2 Test head requirements according to the IEC 60603-7 series 8
10.3 Test head requirements of IEC 61076-2-101 9
10.4 Test head requirements of IEC 61076-2-109 9
Annex A (normative) Additional requirements for test head designs 10
A.1 General 10
A.2 Outline of additional NEXT requirements 10
A.3 Additional test head requirements 10
A.3.1 Category 5 test head requirements 10
A.3.2 Category 6 test head requirements 11
Bibliography 12

Figure 1 – Reference planes and configuration of E2E link 7

Table A.1 – Category 5 E2E link test head de-embedded NEXT performance in the range of frequency of 50 MHz ≤ f < 100 MHz 11
Table A.2 – Category 6 E2E link test head de-embedded NEXT performance in the range of frequency of 50 MHz ≤ f < 250 MHz 11