

Contents

1 Introduction

1.1 Purpose and Scope of Document	1-1
1.2 Organization	1-1
1.3 Requirements Terminology	1-1
1.4 Summary of Changes From TA-NWT-001195, Issue 1	1-2

2 General Information

2.1 Product Description	2-1
2.2 Operating Environment	2-1

3 Requirements

3.1 Physical	3-1
3.1.1 Capacity	3-1
3.1.2 Wire Compatibility	3-1
3.1.3 Wire Termination	3-1
3.1.4 Terminal Density	3-1
3.1.5 Wire Pair Identification	3-1
3.1.6 Test Points	3-2
3.1.7 Termination Tool	3-2
3.1.8 Dimensions	3-2
3.1.9 Wiring Harness	3-2
3.2 Mechanical	3-3
3.2.1 Materials and Finishes	3-3
3.2.2 Terminated Wire Torsion	3-3
3.2.3 Terminated Wire Bending	3-3
3.2.4 Reuse	3-3
3.2.5 Dimensional Stability	3-4
3.2.6 Durability of Terminals	3-4
3.3 Electrical	3-4
3.3.1 Insulation Resistance	3-4
3.3.2 Dielectric Strength	3-4
3.3.3 High Voltage Surge	3-5
3.4 Environmental	3-5
3.4.1 Temperature Cycling	3-5
3.4.2 Temperature Cycling with Humidity / Contact Resistance	3-5
3.4.3 Temperature Cycling with Humidity / Insulation Resistance	3-5
3.4.4 Stress Relaxation	3-6
3.4.5 Chemical Resistance	3-6
3.4.6 Fungus Resistance	3-6
3.5 Documentation	3-6
3.6 Marking	3-7
3.7 Quality Assurance	3-7

3.7.1 Quality Program Analysis 3-7
3.7.2 Product Quality Surveillance 3-7

4 Test Procedures

4.1 Terminated Wire Torsion 4-1
4.2 Terminated Wire Bending 4-1
4.3 Reuse 4-1
4.4 Insulation Resistance 4-1
4.5 Dielectric Strength 4-2
4.6 High Voltage Surge 4-2
4.7 Temperature Cycling 4-2
4.8 Temperature Cycling with Humidity / Contact Resistance 4-2
4.9 Temperature Cycling with Humidity / Insulation Resistance 4-2
4.10 Stress Relaxation 4-3
4.11 Chemical Resistance 4-3

5 Glossary

Appendix A: References

To Contact Telcordia Customer Service or to Order Documents A-1
To Order Documents From Within Telcordia (Employees Only) A-1