

# ISO 19642-1:2023-08 (E)

## Road vehicles - Automotive cables - Part 1: Vocabulary and design guidelines

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>3.1</b>	<b>Terms related to voltage rating .....</b>	<b>1</b>
<b>3.2</b>	<b>Terms related to temperatures .....</b>	<b>2</b>
<b>3.3</b>	<b>Terms related to cables .....</b>	<b>2</b>
<b>3.4</b>	<b>Terms related to RF systems and properties .....</b>	<b>10</b>
<b>Annex A (informative) Design guidelines for calculation of dimensions in multi-core cables .....</b>		<b>15</b>
<b>Annex B (informative) Recommended colour concentrations .....</b>		<b>23</b>
<b>Annex C (informative) Expert opinion on re-testing of existing cables .....</b>		<b>24</b>
<b>Bibliography .....</b>		<b>27</b>