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# INTERNATIONAL STANDARD



# 4141

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Road vehicles — Seven-core connecting cable

*Véhicules routiers — Câble de jonction à sept conducteurs*

First edition — 1978-12-15

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[ISO 4141:1978](https://standards.iteh.ai/catalog/standards/sist/07bbe7c2-c6c5-42ef-bb12-21ca1d45249a/iso-4141-1978)

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UDC 629.11.013.5 : 621.315.2

Ref. No. ISO 4141-1978 (E)

**Descriptors** : road vehicles, towed road vehicles, tractors, electric cables, detail specifications, diameters, colour marking.

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4141 was developed by Technical Committee ISO/TC 22, *Road vehicles*, and was circulated to the member bodies in November 1977.

It has been approved by the member bodies of the following countries :

|                |                        |                       |
|----------------|------------------------|-----------------------|
| Austria        | Italy                  | Romania               |
| Belgium        | Japan                  | South Africa, Rep. of |
| Bulgaria       | Korea, Dem. P. Rep. of | Spain                 |
| Chile          | Mexico                 | Sweden                |
| Czechoslovakia | Netherlands            | Turkey                |
| Germany, F. R. | New Zealand            | U.S.S.R.              |
| Iran           | Poland                 | Yugoslavia            |

The member bodies of the following countries expressed disapproval of the document on technical grounds :

France  
United Kingdom

# Road vehicles — Seven-core connecting cable

## 1 SCOPE

This International Standard specifies the characteristics of a seven-core cable used for the electrical connection between towing vehicles and towed vehicles.

## 2 FIELD OF APPLICATION

This International Standard applies to the seven-core cable provided for the connection with the plugs type 24 N, 12 N, 24 S or 12 S which are specified in ISO 1185, ISO 1724, ISO 3731 and ISO 3732.

## 3 REFERENCES

ISO 1185, *Road vehicles — Electrical connections between towing vehicles and towed vehicles with 24 V electrical equipment — Type 24 N (normal)*.

ISO 1724, *Road vehicles — Electrical connections between towing vehicles and towed vehicles with 6 or 12 V electrical equipment — Type 12 N (normal)*.

ISO 3731, *Road vehicles — Electrical connections between towing vehicles and trailers with 24 V electrical equipment — Type 24 S (supplementary)*.

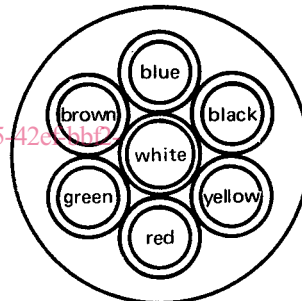
ISO 3732, *Road vehicles — Electrical connections between towing vehicles and trailers with 6 or 12 V electrical equipment — Type 12 S (supplementary)*.

## 4 SPECIFICATIONS<sup>1)</sup>

The seven-core cable shall consist of six cores with a nominal cross-section of 1,5 mm<sup>2</sup> each, and one core with a nominal cross-section of 2,5 mm<sup>2</sup> for the common return.

The seven cores shall have the distinguishing colours as shown below.

The white core is the core with the nominal cross-section of 2,5 mm<sup>2</sup>.



The outside diameter of the seven-core cable shall be  $13,5 \begin{smallmatrix} 0 \\ - 2,5 \end{smallmatrix}$  mm.

1) Additional specifications for the seven-core cable are under consideration.