

**IE-C7BS8VG-MW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Bulk stock, copper cable, rigid, 4 x 2 x AWG 23/1, Cat. 7,  
green

**General ordering data**

|                 |                                                                                       |
|-----------------|---------------------------------------------------------------------------------------|
| Version         | Installation cable, Cat.7 (ISO/IEC 11801), PVC,<br>Products sold by meter, from 110 m |
| Order No.       | <a href="#">8955360000</a>                                                            |
| Type            | IE-C7BS8VG-MW                                                                         |
| GTIN (EAN)      | 4032248753192                                                                         |
| Qty.            | 1 m                                                                                   |
| Delivery status | <b>This article will no longer be available in the future.</b>                        |
| Available until | 2020-10-31                                                                            |

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## Technical data

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 6.5 g |
|------------|-------|

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...80 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -15 °C...60 °C |                       |                |

## Technical specifications for cable

|                                |                                |                  |                  |
|--------------------------------|--------------------------------|------------------|------------------|
| Insulation                     | PE                             | Number of wires  | 8                |
| Resistance to spread of flame  | in accordance with IEC 60332-1 | Sheathing colour | green (RAL 6018) |
| Test voltage: wire-wire-shield | 700 V AC                       |                  |                  |

## Cable specific standards

|                        |                |                                        |                                       |
|------------------------|----------------|----------------------------------------|---------------------------------------|
| Corrosiveness of fumes | to IEC 60754-2 | Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 |
|------------------------|----------------|----------------------------------------|---------------------------------------|

## Electrical properties

|                     |         |
|---------------------|---------|
| Insulation strength | 5000 MΩ |
|---------------------|---------|

## Standards

|                        |                |                                        |                                       |
|------------------------|----------------|----------------------------------------|---------------------------------------|
| Corrosiveness of fumes | to IEC 60754-2 | Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 |
|------------------------|----------------|----------------------------------------|---------------------------------------|

## Cable structure

|                           |                                         |                                       |                                                            |
|---------------------------|-----------------------------------------|---------------------------------------|------------------------------------------------------------|
| Arrangement of wire cores |                                         | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
|                           | Twisted pair                            |                                       |                                                            |
| Complete shielding        | Shielding braid made from copper wiring | Cross-section                         | 4*2*AWG 23/1 - 4*2*0.255 mm <sup>2</sup>                   |
| Insulation                | PE                                      | Insulation cross-section              | 1.4 mm                                                     |
| Material sheath           | PVC                                     | Number of wires                       | 8                                                          |
| Sheath diameter, max.     | 8.4 mm                                  | Sheath diameter, min.                 | 8 mm                                                       |
| Sheathing colour          | green (RAL 6018)                        | Shielding                             | S/FTP                                                      |
| Shielding braid thickness | 0.1 mm                                  | Standard designations                 | IE-7IC4x2xAWG23/1-PVC 02YSCY PIMF, S/FTP                   |
| Strands                   | 1                                       | Wire material                         | Non-insulated copper wire                                  |
| Wire pair shielding       | Aluminium foil                          |                                       |                                                            |

## Electrical properties of cable

|                          |                     |                                |                       |
|--------------------------|---------------------|--------------------------------|-----------------------|
| Capacity at 1 kHz        | 45 nF/km            | Category                       | Cat.7 (ISO/IEC 11801) |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | Deviation                      | 5 ns/100m             |
| Insulation strength      | 5000 MΩ             | Loop resistance                | 150 Ω/km              |
| Signal propagation time  | 4.5 ns/m            | Test voltage: wire-wire-shield | 700 V AC              |

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**Technical data****Mechanical and material properties of cable**

|                                 |                     |                                |                                |
|---------------------------------|---------------------|--------------------------------|--------------------------------|
| Abrasion resistance             | good                | Colour                         | green                          |
| Corrosiveness of fumes          | to IEC 60754-2      | Min. bending radius, once only | 5 x cable diameter             |
| Min. bending radius, repetitive | 10 x cable diameter | Resistance to spread of flame  | in accordance with IEC 60332-1 |
| Silicone-free                   | Yes                 | UV-resistant                   | Yes                            |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000830    | ETIM 7.0    | EC003249    |
| ECLASS 9.0  | 27-06-18-05 | ECLASS 9.1  | 27-06-90-90 |
| ECLASS 10.0 | 27-06-18-01 | ECLASS 11.0 | 27-06-18-01 |

**Approvals**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| User Documentation | <a href="#">MAN IE GUIDE DE</a><br><a href="#">MAN IE GUIDE EN</a> |
|--------------------|--------------------------------------------------------------------|

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# Drawings

## Detailed drawing

