



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China




**VS-CAT5-F-4X2X26 AWG/100**

Order No.: 1658862

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1658862>

CAT5e-S/UTP cable, 4 x 2 x 26 AWG, stranded (7-wire), shielded,  
outer sheath: Halogen-free PUR, outside diameter 6.1 mm, RAL 5021  
(water blue), cable ring 100 m

| Commercial data          |  |
|--------------------------|--|
| GTIN (EAN)               | <br>4 046356 166874 |
| Note                     | Made-to-order  |
| sales group              | D515   |
| Pack                     | 1 pcs.   |
| Customs tariff           | 85444290   |
| Catalog page information | Page 177 (PC-2007)   |

## Product notes

WEEE/RoHS-compliant since:  
10/25/2006



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
here has been taken from the  
online catalog. For comprehensive  
information and data, please refer  
to the user documentation. The  
General Terms and Conditions of  
Use apply to Internet downloads.

| Technical data                    |                    |
|-----------------------------------|--------------------|
| <b>Mechanical characteristics</b> |                    |
| Number of positions               | 8                  |
| Shielded                          | Yes                |
| Cable diameter                    | 6.10 mm            |
| Cable structure                   | 4x2xAWG26/7; S-UTP |

---

|   |  |
|---|--|
| Smallest bending radius, fixed installation   | 50 mm (cable, fixed installation)              |
| Smallest bending radius, movable installation | 95 mm (cable, flexible installation)           |
| Length of cable                               | 100 m  |
| Ambient temperature (operation)               | -30 °C ... 80 °C (cable, fixed installation)   |
|   | -5 °C ... 60 °C (cable, flexible installation) |

#### Material data

|                        |                     |
|------------------------|---------------------|
| Outer sheath, material | PUR                 |
| External sheath, color | water blue RAL 5021 |

#### Electrical characteristics

|   |  |
|---|--|
| Rated voltage (III/3)                   | 125 V  |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001) |

#### Line characteristics

|   |  |
|---|--|
| Cable type                              | Ethernet   |
| Cable structure                         | 4x2xAWG26/7; S-UTP   |
| Conductor cross section                 | 0.14 mm <sup>2</sup>   |
| AWG signal line                         | 26   |
| Conductor structure signal line         | 7x 0.16 mm   |
| Core diameter including insulation      | 1 mm   |
| External cable diameter                 | 6.10 mm  |
| Wire colors                             | white/blue-blue, white/orange-orange, white/green-green, white/brown-brown |
| External sheath, color                  | water blue RAL 5021  |
| Insulation resistance                   | ≥ 5 GΩ*km  |
| Conductor resistance                    | ≤ 284 Ω/km   |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)                               |
| Working capacitance                     | 48 nF (At 800 Hz)  |
| Wave impedance                          | 100 Ω ±15% (At 1 to 100 MHz)   |
| Nominal voltage, conductor              | 125 V  |
| Test voltage Core/Core                  | 1000 V   |
| Test voltage Core/Shield                | 500 V  |
| Twisted pairs                           | 2 cores to the pair  |
| Overall twist                           | 4 pairs for core   |
| Shielding                               | Plastic-coated aluminum foil, tinned copper braided shield                 |
| Optical shield covering                 | 85 %   |

|   |                                      |
|---|--------------------------------------|
| Outer sheath, material                        | PUR                                  |
| Conductor material                            | Bare Cu litz wires                   |
| Smallest bending radius, fixed installation   | 50 mm (cable, fixed installation)    |
| Smallest bending radius, movable installation | 95 mm (cable, flexible installation) |

### Accessories

| Item         | Designation          | Description  |
|--------------|----------------------|--|
| <b>Tools</b> |                      |  |
| 1657407      | VS-CABLE-STRIP-VARIO | Stripping tool, for the multi-level stripping of shielded cables |

**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact  
Technical modifications reserved;