

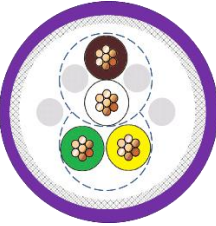
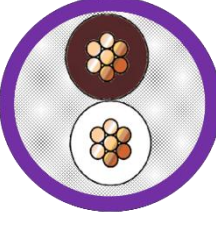
# MAP® CAN BUS CABLE 匯流排電纜【車用】

## 產品說明 PRODUCT DESCRIPTION

|                  |                                  |
|------------------|----------------------------------|
| *導體: 極細無氧銅複絞     | Stranded OFC Copper VDE Class 6. |
| *絕緣: 交連聚乙烯       | X-ray cross link Polyethylene    |
| *分隔: 聚酯麥拉帶       | Mylar Tape                       |
| *披覆: 醚類聚氨酯/聚氯乙烯  | Ether TPU/ PVC                   |
| *遵循 CAN-BUS 國際規範 | CAN BUS acc. to ISO 11898-2      |
| *符合 ROHS 環保規範    | Available ROHS NORM              |



## MAP® 匯流排電纜 (CAN-BUS CABLE-AUTOMOTIVE)

|                                                                                    |                                            |                                             |                                           |                                                 |
|------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|-------------------------------------------|-------------------------------------------------|
|  | <b>【Fixed Installation】</b><br><br>CAN-BUS | Cable Structure<br>2x2x0.22 mm <sup>2</sup> | Characteristic impedance<br>120 Ohm ± 10% | Cable external diameter<br>app. 7.6 mm ± 0.3 mm |
|  | <b>【Fixed Installation】</b><br><br>CAN-BUS | Cable Structure<br>1x2x0.50 mm <sup>2</sup> | Characteristic impedance<br>120 Ohm ± 10% | Cable external diameter<br>app. 7.2 mm ± 0.3 mm |

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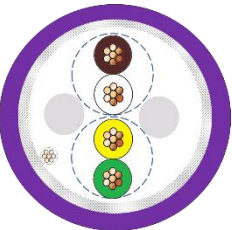
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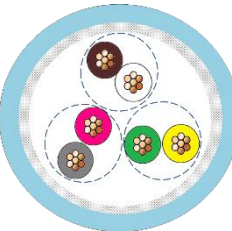
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|                                                                                  |                                                  |                                             |                                           |                                                 |
|----------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|-------------------------------------------|-------------------------------------------------|
|  | <b>【 Industrial Area 】</b><br><br><b>CAN-BUS</b> | Cable Structure<br>2x2x0.25 mm <sup>2</sup> | Characteristic impedance<br>120 Ohm ± 10% | Cable external diameter<br>app. 9.7 mm ± 0.3 mm |
|----------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|-------------------------------------------|-------------------------------------------------|

|                                                                                  |                                                |                                             |                                           |                                                |
|----------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------|-------------------------------------------|------------------------------------------------|
|  | <b>【 Direct burial 】</b><br><br><b>CAN-BUS</b> | Cable Structure<br>1x2x0.50 mm <sup>2</sup> | Characteristic impedance<br>120 Ohm ± 10% | Cable external diameter<br>app. 9.3mm ± 0.3 mm |
|----------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------|-------------------------------------------|------------------------------------------------|

|                                                                                  |                                                   |                                             |                                           |                                                 |
|----------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|-------------------------------------------|-------------------------------------------------|
|  | <b>【 Fixed Installation 】</b><br><br><b>I-BUS</b> | Cable Structure<br>3x2x0.22 mm <sup>2</sup> | Characteristic impedance<br>120 Ohm ± 10% | Cable external diameter<br>app. 7.1 mm ± 0.3 mm |
|----------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|-------------------------------------------|-------------------------------------------------|

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SPECIFICATION規格書

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Technical information 技術資料

MAP<sup>®</sup> CAN-BUS CABLE



Descprition

MAP<sup>®</sup> CAN Bus for fixed installation and occasional motion, for normal requirements. The 2-pair version is designed with star-quad twisting,i.e. diagonal conductors form an electrical pair and satisfy the requirements of the CAN Standard.

Design

Characteristic impedance: 120 Ohm  $\pm$  10%  
Design Design based on standard SAE J1128 compliant and  
Conductor Soft-annealed copper acc. to ASTM B 3 and VDE 0295 / IEC 60228 class 5  
Insulation Cross-Link Polyethylene Insulated.  
Core identification code VDE DIN 47100  
Applicable standards: CAN Bus acc. to ISO 11898-2,CAN Bus acc. to ISO 11898-2

Features

- Abrasion- and cut-resistant
- Waterproof 125°C Insulation plus 105°C Sheath
- Exceeds -40°C cold bend requirements
- Excellent chemical resistance properties including resistance to oil and other chemicals

Design Options

- Available on reels
- Available with or without fillers
- Other design options available

Mechanical and thermal properties

Test voltage 1K Vac / 30 sec  
Minimum bending radius Fixed installation: 15 x cable Ø  
Temperature range Fixed installation:-40°C up to +125°C  
Flammability N/A  
General requirements This cable is conform to RoHS  
(Restriction of the use of certain hazardous substances)

Table 1. Color code Acc to DIN 47100

| Core Identification | 1     | 2     | 3     | 4      | 5    | 6    | 7    | 8   | 9     | 10     |
|---------------------|-------|-------|-------|--------|------|------|------|-----|-------|--------|
| Insulation. color   | White | Brown | Green | Yellow | Grey | Pink | Blue | Red | Black | Violet |