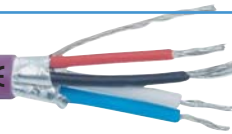


**DN 656** halogen-free, flexible DeviceNet™ cable with a static screen and UL recognition

**DN 657** halogen-free, flexible DeviceNet™ cable with overall copper screen

24AWG/1pr+22AWG/1pr AWM Style 21080 75°C 300V CE



Marking for DN 656 06562241:

SAB BRÜCKSKES · D-VIERSEN · DN 656 2x0,24mm<sup>2</sup>+2x0,38mm<sup>2</sup> 06562241 24AWG/1pr+22AWG/1pr AWM Style 21080 75°C 300V CE

| <b>Construction:</b>  | DN 656 Drop Cable   | DN 656 Trunk Cable   | DN 657 Drop Cable  | DN 657 Trunk Cable   |
|---|---|--|--|--|
| <b>Dimensions:</b>  | 2 x 0,24 mm <sup>2</sup> +<br>2 x 0,38 mm <sup>2</sup>  | 2 x 0,96 mm <sup>2</sup> +<br>2 x 1,53 mm <sup>2</sup>                                   | 2 x 0,24 mm <sup>2</sup> +<br>2 x 0,38 mm <sup>2</sup>                                   | 2 x 0,96 mm <sup>2</sup> +<br>2 x 1,53 mm <sup>2</sup>                                   |
| <b>Conductor:</b><br>0,24 mm <sup>2</sup> tinned copper strands<br>0,38 mm <sup>2</sup> tinned copper strands | AWG 24/19<br>AWG 22/19  | ---<br>---   | AWG 24/19<br>AWG 22/19   | ---<br>---   |
| <b>Conductor:</b><br>0,96 mm <sup>2</sup> tinned copper strands<br>1,53 mm <sup>2</sup> tinned copper strands | ---<br>---  | AWG 18/19<br>AWG 15/19   | ---<br>---   | AWG 18/19<br>AWG 15/19   |
| <b>Insulation:</b>  | 0,24 mm <sup>2</sup> : acc. to<br>EN 50290-2-23 (02Y11)<br>0,38 mm <sup>2</sup> : SABIX®  | 0,96 mm <sup>2</sup> : acc. to<br>EN 50290-2-23 (02Y11)<br>1,53 mm <sup>2</sup> : SABIX® | 0,24 mm <sup>2</sup> : acc. to<br>EN 50290-2-23 (02Y11)<br>0,38 mm <sup>2</sup> : SABIX® | 0,96 mm <sup>2</sup> : acc. to<br>EN 50290-2-23 (02Y11)<br>1,53 mm <sup>2</sup> : SABIX® |
| <b>Colour code:</b>   | 0,24 mm <sup>2</sup> /0,96 mm <sup>2</sup> : data pair white and light blue<br>0,38 mm <sup>2</sup> /1,53 mm <sup>2</sup> : supply pair black and red |  |  |  |
| <b>Wrapping:</b>  | cores twisted to pairs stranded with alu foil   |  |  |  |
| <b>Stranding:</b>   | pairs in specially adjusted layering, tinned copper drain wire in core  |  |  |  |
| <b>Screen:</b>  | tinned copper braiding  |  |  |  |
| <b>Wrapping:</b>  | non-woven tape  |  |  |  |
| <b>Sheath material:</b>   | SABIX®  |  |  |  |
| <b>Sheath colour:</b>   | redlilac (RAL 4001)   |  |  |  |

| <b>Technical data:</b>   | DN 656 Drop Cable  | DN 656 Trunk Cable | DN 657 Drop Cable        | DN 657 Trunk Cable |
|--|--|--------------------|--------------------------|--------------------|
| <b>Item numbers:</b>   | 0656-2241  | 0656-2781          | 0657-2241                | 0657-2781          |
| <b>Peak operating voltage:</b>                                       | max. 350 V   |                    |                          |                    |
| <b>Voltage UL:</b>   | 300 V  |                    | ---                      |                    |
| <b>Testing voltage</b><br>core/core:<br>core/screen:                 | 2000 V<br>2000 V   |                    | 1500 V<br>1200 V         |                    |
| <b>Min. bending radius</b><br>fixed laying:<br>flexible application: | 7,5 x d<br>15 x d  |                    |                          |                    |
| <b>Temperature range</b><br>fixed laying:<br>flexible application:   | UL: up to +75 °C<br>-40/+70 °C<br>-30/+70 °C                                 |                    | -40/+70 °C<br>-30/+70 °C |                    |
| <b>Halogen-free:</b>   | acc. to IEC 60754-1 + VDE 0482-754-1   |                    |                          |                    |
| <b>Characteristic impedance:</b>                                     | 120 Ω ± 10%  |                    |                          |                    |
| <b>Absence of harmful substances:</b>                                | acc. to RoHS directive of the European Union, see chapter N „Technical Data“ |                    |                          |                    |

| item no. | type                 | no. of cores mm <sup>2</sup><br>each conductor | outer-ø<br>± 5% | copper figure<br>kg/km | cable weight<br>≈kg/km |
|----------|----------------------|--|-----------------|------------------------|------------------------|
| 06562241 | DN 656 (Drop Cable)  | 2 x 0,24 + 2 x 0,38                            | 6,1 - 7,1       | 16,4                   | 56                     |
| 06562781 | DN 656 (Trunk Cable) | 2 x 0,96 + 2 x 1,53                            | 10,4 - 12,4     | 58,4                   | 120                    |
| 06572241 | DN 657 (Drop Cable)  | 2 x 0,24 + 2 x 0,38                            | 6,1 - 7,1       | 41,2                   | 74                     |
| 06572781 | DN 657 (Trunk Cable) | 2 x 0,96 + 2 x 1,53                            | 10,4 - 12,4     | 98,7                   | 183                    |

Other dimensions and colours are possible on request.