

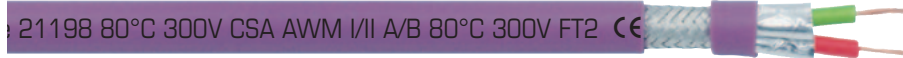
Profibus-DP Cables

PB 640 flexible PVC Profibus-DP cable

S PB 640 highly flexible PUR Profibus-DP cable

PB 640 UL flexible PVC Profibus-DP cable with UL recognition

S PB 640 UL highly flexible PUR Profibus-DP cable with UL recognition, CSA approval



Marking for S PB 640 UL 06402611:

SAB BRÜCKSKES · D-VIERSEN · S PB 640 UL 24 AWG/2c 06402611 AWM Style 21198 80°C 300V CSA AWM I/II A/B 80°C 300V FT2



| Construction: | PB 640 | PB 640 UL | S PB 640 | S PB 640 UL |
|-------------------------------|--|-----------|---|-------------|
| Dimension: | 2 x AWG 24 | | | |
| Conductor: | bare copper strands AWG 24 | | | |
| Insulation: | acc. to EN 50290-2-23 + VDE 0819-103 (02Y11) | | | |
| Colour code: | red, green | | | |
| Stranding: | in layers | | | |
| Inner sheath (nature): | PVC | | SABIX® | |
| Screen: | alu foil und tinned copper braiding | | | |
| Sheath material: | PVC, TM2 acc. to EN 50363-4-1 | | PUR, TMPU acc. to EN 50363-10-2 with matt surface | |
| Sheath colour: | redlilac (RAL 4001) | | | |

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| Technical data: | PB 640 | PB 640 UL | S PB 640 | S PB 640 UL |
|---|--|------------------|---|----------------------|
| Item number: | 0640-2421 | 0640-2631 | 0640-2601 | 0640-2611 |
| Peak operating voltage: | max. 350 V | | | |
| Voltage UL: | --- | 300 V | --- | 300 V |
| Voltage CSA: | --- | | | |
| Testing voltage | | | | |
| core/core: | 1500 V | 2000 V | 1500 V | 2000 V |
| core/screen: | 1500 V | 2000 V | 1500 V | 2000 V |
| Min. bending radius | 12 x d | | 5 x d | |
| fixed laying: | | | 10 x d | |
| flexible application: | | | 15 x d | |
| Temperature range | | UL: up to +80 °C | | UL/CSA: up to +80 °C |
| fixed laying: | -30/+70 °C | -30/+70 °C | -40/+80 °C | -40/+80 °C |
| flexible application: | -5/+70 °C | -5/+70 °C | -30/+80 °C | -30/+80 °C |
| Halogen-free: | --- | | acc. to IEC 60754-1 + VDE 0482-754-1 | |
| Fire performance: | flame retardant and self-extinguishing acc. to IEC 60332 + VDE 0482-332-1-2 | | | |
| Oil resistance: | acc. to internal standard, see chapter N „Technical data“ | | very good EN 50363-10-2 + VDE 0207-363-10-2 | |
| Characteristic impedance 3 - 20 MHz: | 150 Ω ± 10% | | | |
| For fixed installation: | suitable | | | |
| For flexible application: | suitable | | | |
| Application in cable tracks: | not recommended | | recommended | |
| UL Style: | --- | 2464 | --- | 21198 |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ | | | |



Outstanding features:

- short assembling time
- avoidance of connection errors

| item no. | type | dimension | outer-ø mm | copper figure kg/km | cable weight ≈kg/km |
|----------|-------------|------------|------------|---------------------|---------------------|
| 06402421 | PB 640 | 2 x 24 AWG | 8,0 ± 0,4 | 31,2 | 63 |
| 06402631 | PB 640 UL | 2 x 24 AWG | 8,0 ± 0,4 | 31,2 | 62 |
| 06402601 | S PB 640 | 2 x 24 AWG | 8,0 ± 0,4 | 31,2 | 57 |
| 06402611 | S PB 640 UL | 2 x 24 AWG | 8,0 ± 0,4 | 31,2 | 62 |

Other dimensions and colours are possible on request.

Profibus-DP and **Profibus-FMS** apply the same transmission technology and a uniform bus access log. Therefore, both types can be used simultaneously on one cable.