

Industrial Ethernet Cables

S PN 667 PUR Profinet type C, continuous flex with UL recognition and CSA approval

S PN 669 PUR Profinet type C, continuous flex suitable for cable tracks with UL recognition



Marking for S PN 669 6692202:

SAB BRÖCKSKES · D-VIERSEN · S PN 669 Profinet CAT 5 Type C 2x2x22AWG AWM Style 21198 80° 300V CE



| Construction: | S PN 667 Profinet type C continuous flex | S PN 669 Profinet type C continuous flex |
|----------------------|---|---|
| Item numbers: | 6672202 / 6679001 | 6692202 |
| Dimensions: | 2 x 2 x 22 AWG | 2 x 2 x 22 AWG |
| Conductor: | tinned copper strands, 7 wires or 19 wires | tinned copper strands, extra fine wires |
| Insulation: | special polymer | PE |
| Color code: | blue, yellow, white, orange | blue, yellow, white, orange |
| Stranding: | in layers | in layers |
| Wrapping: | PETP foil | PETP foil |
| Inner jacket: | thermoplastic material | thermoplastic material |
| Wrapping: | alu foil | alu foil |
| Shielding: | tinned copper braiding | tinned copper braiding |
| Wrapping: | non-woven tape | non-woven tape |
| Jacket material: | PUR | PUR |
| Jacket color: | green (similar RAL 6018) | green (similar RAL 6018) |

| Technical data: | PN 667 Profinet type C continuous flex | S PN 669 Profinet type C continuous flex |
|--------------------------------|---|---|
| Peak operating voltage: | max. 350 V | max. 350 V |
| Voltage: | UL/CSA: 300 V | UL: 300 V |
| Testing voltage: | | |
| conductor/conductor: | 2000 V | 2000 V |
| conductor/shielding: | 2000 V | 2000 V |
| Min. bending radius: | | |
| fixed installation: | 5 x O.D. | 5 x O.D. |
| free movement: | 10 x O.D. | 10 x O.D. |
| continuous flex: | 15 x O.D. | 15 x O.D. |
| Temperature range DIN VDE: | UL/CSA: up to +80°C | UL: up to +80°C |
| static: | -40/+70°C | -30/+70°C |
| flexible: | -40/+70°C | -20/+70°C |
| Halogen-free: | acc. to IEC 60754-1 + VDE 0482-754-1 | acc. to IEC 60754-1 + VDE 0482-754-1 |
| Oil resistance: | TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 | |
| Characteristic impedance: | 100Ω ± 5Ω, accomplishes the electrical and transmission requirements with high frequency acc. to EN 50288-2-2 + VDE 0819-2-2 (CAT 5 acc. to EN 50173-1) | |
| UL Style: | 21198 | 21198 |
| Application: | suitable for EtherCAT and EtherNET/IP applications | — |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see page O/30 | |

| item no. | type | dimensions AWG | max. cond.-ø mm | ±10% inch | outer-ø ±10% mm | cable weight ≈lbs/mft | ohmic resistance at 20°C to VDE 0812 max. Ω/km |
|--|----------|-------------------|-----------------------|--------------|-----------------------|-----------------------------|--|
| ▶ 6672202 | S PN 667 | 22 (≈ 7/30)/4c | 1.55 | 0.256 | 6.5 | 40 | 58.8 |
| ▶ 6692202 | S PN 669 | 22 (≈ 19/34)/4c | 1.55 | 0.272 | 6.9 | 46 | 58.0 |
| For extreme bending stress - conductor construction 19 wires: | | | | | | | |
| ▶ 6679001 | S PN 667 | 22 (≈ 19/34)/4c | 1.55 | 0.256 | 6.5 | 39 | 58.8 |

Other dimensions and colors are available on request

**short assembling time
by "Fast Connect"
construction (7 wires)**

Also possible as a
cable assembly with
M12 or RJ 45 plug

**CABLE
ASSEMBLY
▲ POSSIBLE**

