

**CAT7 patch cable****AWG 26/7 - S/FTP - 600 MHz - PUR / PVC**

- 4 x 2 x AWG 26/7 - 600 MHz
- S/FTP (overall braid shield + foil shielded twisted pairs)
- category 7 acc. to IEC 61156-6
- version in PVC or PUR

| | |
|------------|------------|
| PUR | PVC |
|------------|------------|

Flexible data cable for transmission of analog and digital signals in the frequency range up to 600 MHz. It is suitable for work area wiring, device connecting and patching. For the use in class D, E, EA and F applications like 10Base-T, 100Base-T, 1000Base-T, 10GBase-T, Token Ring, FDDI, ISDN, ATM, audio networks like Ethersound™ and DMX lighting controls. It fulfills the requirements to Category 7 patch cables acc. to ISO/IEC 11801, EN 50173-1, IEC 61156-6 und EN 50288-4-2. The version with PUR jacket is extremely resistant to abrasion, oils, microbes, chemicals and flexible down to -40 °C.

design

| | |
|------------------|------------------------------------------------|
| conductor | stranded tinned copper, 7 x 0.16 mm (AWG 26/7) |
| core insulation | SFS-PE, Ø 1.03 mm |
| core stranding | 2 cores twisted to a pair |
| twisting | 4 shielded pairs stranded |
| pair shielding | AL/PET foil |
| overall shield | tinned copper braid |
| outer jacket | PVC ou PUR, black |
| overall diameter | 6.3 mm |

mechanics

| | |
|------------------------|--------------------------------------------|
| min. bending radius | |
| installation operation | 8x overall diameter 4x overall diameter |

electric

| | |
|--------------------------|---------------|
| conductor resistance | < 145 Ω/km |
| mutual capacitance | 45 pF/m |
| characteristic impedance | 100 Ω ± 15% |
| signal speed | 0.76 c |
| propagation delay | < 450 ns/100m |
| delay skew | < 3 ns/100m |

| frequency [MHz] | attenuation [dB/10m] | Next [dB] | ACR [dB/100m] | EL-FEXT [dB/100m] | RL [dB] |
|-----------------|----------------------|-----------|---------------|-------------------|---------|
| | typical | | | | |
| 1 | 0.28 | | 95 | | 23 |
| 4 | 0.55 | 95 | 94.5 | 93 | 27 |
| 10 | 0.85 | 95 | 94.1 | 90 | 30 |
| 31.25 | 1.5 | 90 | 88.5 | 75 | 30 |
| 62.5 | 2.1 | 88 | 85.9 | 70 | 30 |
| 100 | 2.7 | 86 | 83.3 | 58 | 28 |
| 200 | 3.85 | 84 | 80.2 | 50 | 26 |
| 300 | 4.7 | 82 | 77.3 | 47 | 24 |
| 500 | 5.7 | 78 | 72.3 | 42 | 22 |
| 600 | 6.75 | 75 | 68.3 | 40 | 21 |

| order code | type | outer jacket | working temperature | cable color | weight kg/m | standard lengths m |
|------------|-------|--------------|---------------------|-------------|-------------|--------------------|
| C7P06Y | S/FTP | PVC | -20°C / +70°C | black | 0.04 | 100 / 300 / 500 |
| C7P06P | S/FTP | PUR | -40°C / +70°C | black | 0.04 | 100 / 300 / 500 |

technical specifications are subject to change