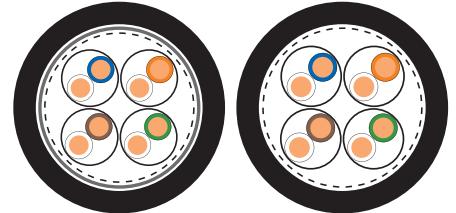




**UNITRONIC® LAN OUTDOOR**

Ethernet cable for Category 7/ class F - verified up to 1000 MHz, for outdoor applications and direct burial



**Benefits**

- LAN cables for structured building cabling according to EN 50173 and ISO/IEC 11801
- Suitable for outdoor use and direct burial
- UV-resistant

**Application range**

- For outdoor use
- Suitable for direct burial
- Cable length in tertiary area (horizontal area, floor) should not exceed a length of 100 m in accordance with the ISO/IEC 11801 and EN 50173 standards (90 m in cable duct + 10 m in working area)

**Norm references / Approvals**

- LAN Cat.7 cables from Lapp Kabel for “Structured Cabling Systems” meet the requirements in accordance with EIA/TIA-568 and TSB36, as well as ISO/IEC 11801 or EN 50173 (Class F - permanent link).

**Product Make-up**

- Solid conductor 4x2xAWG23/1
- Core insulation: PE
- S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
- Outer sheath: PE, black (L)PE additional with aluminum tape

**Technical data**

**Classification ETIM 5/6**  
 ETIM 5.0/6.0 Class-ID: EC000830  
 ETIM 5.0/6.0 Class-Description: Data cable

**Minimum bending radius**  
 during installation: 8 x outer diameter  
 Fixed installation: 4 x outer diameter

**Characteristic impedance**  
 100 Ω ± 15%

**Temperature range**  
 Flexing: -10°C to +50°C  
 During laying: -30°C to +70°C

Article number	Article designation	Number of pairs and AWG per conductor	Core diameter in mm	Outer diameter [mm]	Colour	Copper index (kg/km)	Weight (kg/km)
<b>Suitable for direct burial</b>							
2170978	1000 S/FTP Cat.7 PE	4 x 2 x AWG23/1	1.3	7.7	black	24	48
<b>Suitable for direct routing underground, not transversely waterproof</b>							
2170977	1000 S/FTP Cat.7 (L)PE	4 x 2 x AWG23/1	1.3	9.6	black	24	77

Copper price basis: EUR 100/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.  
 Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
 Packaging size: Drum  
 Photographs and graphics are not to scale and do not represent detailed images of the respective products.