

**Uninet 502 flex 4P**  
 UTP Extension cable for structured premises cabling



**Product information**

**Features**

The construction of this cable is designed with fast and reliable preparation in mind - saving you time! Electrically and mechanically high-quality Cat. 5e flex cable - satisfies high demands!  
 Compact construction, small dimensions  
 Compatible with all current connecting hardware to EN 50173 and ISO/IEC 11801 (for demanding applications).  
 Guaranteed limit values Cat. 5: ISO/IEC 11801 & EN 50173, EN 50288-3-2 and Cat. 5e: ANSI/TIA/EIA-568-A-5.

**Applications**

For use as data flex cable in patch panels and as building termination cable.  
 For transmission of digital and analogue voice, data and video signals.  
 Especially suitable to all Class D applications.  
 ISDN, Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000 Base-T, Token Ring 4/16 Mbit/s, TP-PMD/TP-DDI 125 Mbit/s, ATM 155 Mbit/s.

**Versions**

Article no.	Dimensions	Type	Sheath	Sheath Ø	Weight	CU no.	Burning load	Packaging
	n x n x mm			mm	kg/km	kg/km	kWh/m MJ/m	
411 018	4 x 2 x 0.22 mm <sup>2</sup>		FR/PVC <sup>1)</sup>	5.6	34.0	18.8	0.115 0.414	1000m Drum

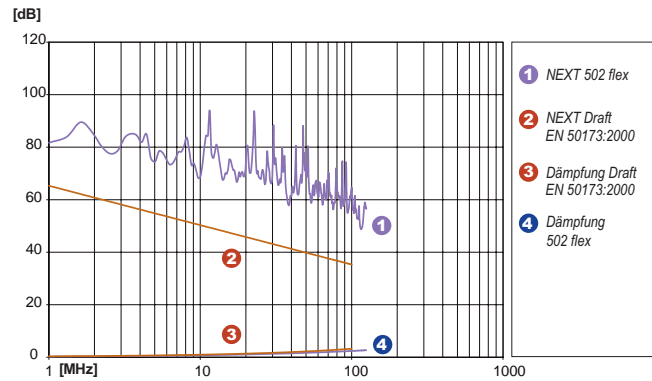
<sup>1)</sup> FR/PVC = Flame Retardant/Polyvinylchloride

Technical changes reserved.

**Technical Data:**

**Electrical properties**

Loop resistance at 20°C: 165 Ω/km  
Mutual capacitance: 50 pF/m  
Impedance Z<sub>0</sub>: 100 Ω±15 Ω  
NVP: 66 %



Frequency [MHz]	1	4	10	16	20	31.25	62.5	100	125
Attenuation [dB/100 m]	1.9	3.9	7.0	9.0	10.1	15.2	17.9	25.8	28.2
NEXT [dB]	100	95	94	78	74	70	68	65	58
PS NEXT [dB]	85	84	80	77	74	68	59	50	54
ACR [dB]	98	91	87	69	64	55	50	40	29
PS ACR [dB]	83	80	73	68	64	53	41	25	26
ELFEXT [dB]	100	98	84	83	77	69	58	50	46
PS ELFEXT [dB]	87	82	66	63	58	56	47	43	42
Return loss [dB]	48	45	43	45	45	39	35	40	50

These performance data are typical measured values.

**Mechanical properties**

Bending radius ≥ 23 mm  
Tensile strength ≤ 100 N  
Temperature range - 20°C to + 60°C

**Environmental conditions**

Burning behaviour accordance to IEC 60332-1

**General properties**

Wire colour code  
white - blue/blue  
white - orange/orange  
white - green/green  
white - brown/brown (ring marked)  
accordance to IEC 189 and IEC 708

Imprint  
DAETWYLER UNINET 502 flex 4P UTP CAT 5e FR/PVC (+Date, batch no. and meter marks)

Self extinguishing (DIN-VDE 0472-804) New: DIN VDE 0482-265, EN 50265 (CENELEC HD 405.1), IEC 60332-1  
 Category/class better than Cat. 5, Class D