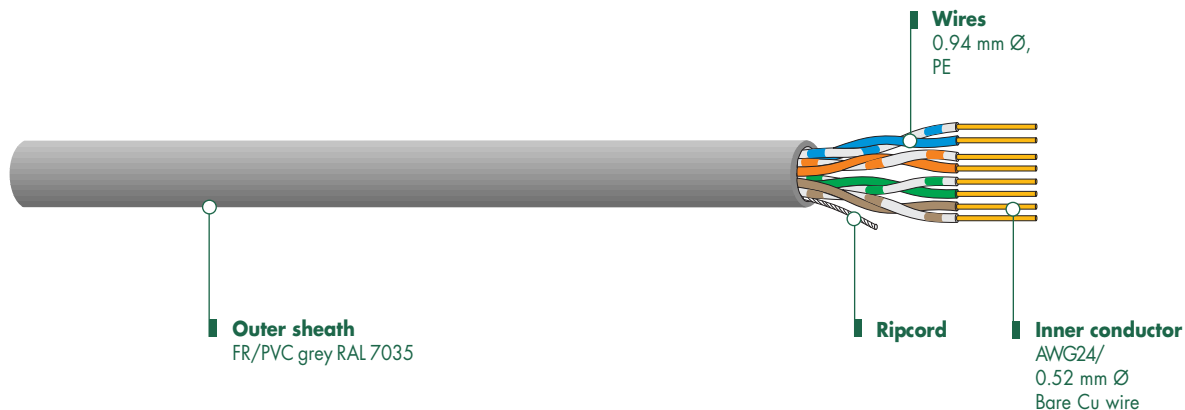




# Uninet 502 4P

UTP Data cable for structured premises cabling



## Product information

### Features

Electrically and mechanically high-quality Cat. 5e data cable - satisfies high demands!  
 Compact construction, small dimensions  
 Compatible with all current connecting hardware to EN 50173 and ISO/IEC 11801.  
 Guaranteed limit values Cat. 5: ISO/IEC 11801 & EN 50173, prEN 50288-3-1 and Cat. 5e: ANSI/TIA/EIA-568-A-5.

### Applications

Data cable for structured premises cabling  
 For transmission of digital and analogue voice, data and video signals.  
 Especially suited for all class D and Cat. 5e 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	
411 019	4 x 2 x 0.52 (AWG24)		FR/PVC <sup>1)</sup>	5.5	35.6	18.1	0.136	0.490	305m Pull-Quick
411 022	4 x 2 x 0.52 (AWG24)		FR/PVC <sup>1)</sup>	5.5	35.6	18.1	0.136	0.490	1000m Drum

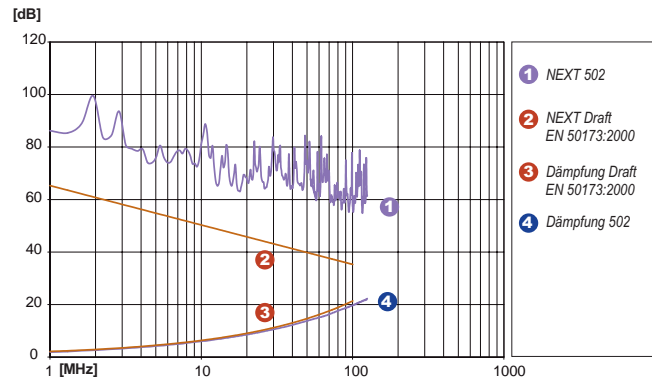
<sup>1)</sup> FR/PVC = Flame Retardant/Polyvinylchloride

Technical changes reserved.

**Technical Data:**

**Electrical properties**

Loop resistance at 20°C: 170 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	3.8	5.8	7.4	8.3	13.1	14.7	18.8	21.9
NEXT [dB]	100	94	94	78	74	70	68	65	55
PS NEXT [dB]	83	83	75	74	65	63	55	49	46
ACR [dB]	98	90	88	71	65	57	53	46	33
PS ACR [dB]	81	79	69	67	57	50	41	30	24
ELFEXT [dB]	100	95	83	82	68	65	55	52	51
PS ELFEXT [dB]	89	85	73	67	63	55	51	48	44
Return loss [dB]	48	50	45	43	41	39	46	56	59

These performance data are typical measured values.

**Mechanical properties**

Bending radius  
 - during draw-in ≥ 44 mm  
 - permanently installed ≥ 22 mm  
 Tensile strength ≤ 100 N  
 Temperature range - 20°C to + 60°C

**Environmental conditions**

Smoke density accordance to IEC 61034  
 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 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