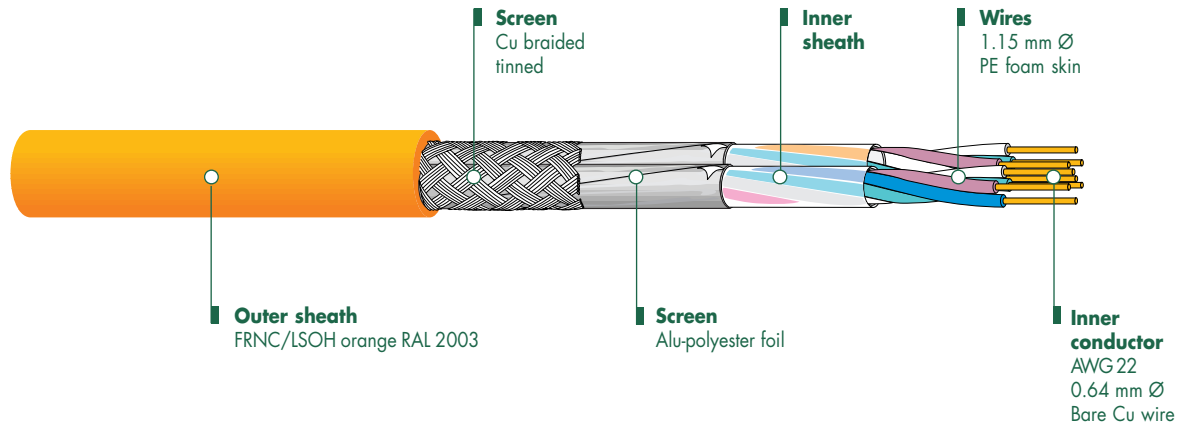




# Uninet 3004 4P

S/STP Data cable for structured premises cabling



## Product information

### Features

Electrically and mechanically high-quality Cat. 6 data cable. Quad-to-quad provides even Cat. 7 properties!  
 Robust cable design with high level of stability in installation due to inner sheath.  
 Excellent screen effect, due to screen foil and additional tinned copper braid.  
 European patent registration EP 93 10 43 85.5.

Simple and safe to work on without damaging wires; additional help provided by special stripping tool Abi 34.



*Tool to first cut (S) the inner sheath above the star quad and second to remove it (A)*

Compatible with all current connecting hardware to EN 50173 and ISO/IEC 11801.  
 Guaranteed limit values Cat. 6: ISO/IEC 11801, EN 50173 and prEN 50288-5-1.

### Applications

Data cable for structured premises cabling.  
 For transmission of digital and analogue voice, data and video signals.  
 Especially suitable to all Class E 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.  
 This cable supports cable sharing: allowing two different communications services (e.g. data & telephony, Ethernet and token ring) to be transmitted on a single cable simultaneously.

### 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	
166 317	2 x 4 x 0.64 (AWG22)	HF-4872-U	FRNC/LSOH <sup>1)</sup>	5.6 x 8.8	69.7	39.4	0.166 0.600	1000m Drum

<sup>1)</sup> FRNC/LSOH = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

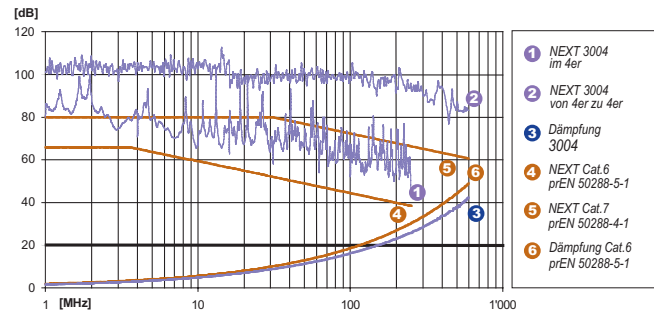
Technical changes reserved.

For cable stripping tool, see under system accessories.

**Technical Data:**

**Electrical properties**

Loop resistance at 20°C: 114 Ω/km  
 Mutual capacitance: 46 pF/m  
 Impedance Z<sub>0</sub>: 100 Ω±15Ω  
 Transfer impedance at 1/10/30 MHz: 3/6/10mΩ/m  
 Near end unbalance att. LCL at 1/100/250 MHz: 65/48/44 dB  
 Delay skew: 4 ns/100m  
 NVP: 76 %



Frequency [MHz]	1	4	10	16	20	31.25	62.5	100	155	250	300	600
Attenuation [dB/100m]	1.5	2.9	4.7	6.0	6.7	8.4	12	15.5	19.5	24.5	27	41
NEXT [dB]	80	71	67	63	59	58	54	52	48	46	43	-
NEXT quad-to-quad [dB]	90	90	90	90	90	90	90	90	85	82	80	70
PS NEXT [dB]	78	69	65	61	57	56	52	50	46	44	41	-
ACR [dB]	79	68	62	57	52	50	42	37	29	22	16	-
ACR quad-to-quad [dB]	89	87	85	84	83	82	78	75	66	58	53	29
PS ACR [dB]	77	66	60	55	50	48	40	35	27	20	14	-
ELFEXT [dB]	85	75	66	63	59	54	41	35	31	24	21	-
PS ELFEXT [dB]	83	73	64	61	57	52	39	33	29	22	19	-
Return loss [dB]	27	30	35	35	35	32	30	30	30	30	30	-

These performance data are typical measured values.

**Mechanical properties**

Bending radius (over flat side) - during draw-in ≥ 46 mm  
 - permanently installed ≥ 15 mm  
 Tensile strength ≤ 130 N  
 Crush resistance ≥ 6000 N/10 cm  
 Impact resistance ≥ 30 impacts  
 Temperature range - during installation 0°C to + 50°C  
 - in operation -20°C to + 60°C

**Environmental conditions**

Halogen content accordance to IEC 60754-2  
 Smoke density accordance to IEC 61034  
 Burning behaviour accordance to IEC 60332-1 and IEC 60332-3

**General properties**

Wire colour code white/blue, turquoise/violet or white/orange, turquoise/violet accordance to IEC 189 and IEC 708  
 Imprint DAETWYLER UNINET 3004 4P FRNC/LSOH (+batch no. and meter marks)

- Halogen content, No corrosive gas emissions (DIN-VDE 0472-813) New: DIN VDE 0482-267, EN 50267 (CENELEC HD 602), IEC 60754-2
- Self extinguishing (DIN-VDE 0472-804) New: DIN VDE 0482-265, EN 50265 (CENELEC HD 405.1), IEC 60332-1
- Low fire propagation DIN VDE 0472-804/Test class C, CENELEC HD 405.3, IEC 60332-3 cat. C
- Minimum smoke production (DIN-VDE 0472-816) New: DIN VDE 0482-268, EN 50268 (CENELEC HD 606), IEC 61034
- EMI shielded
- Category/class better than Cat. 6, Class E
- Category/class better than Cat. 7, Class F