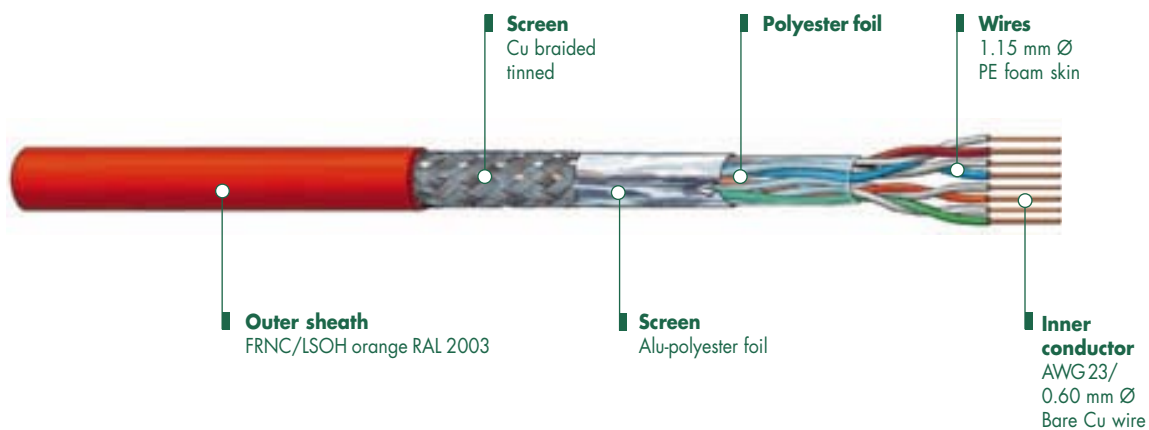




Uninet 3002 4P
S-FTP Data cable for structured premises cabling



Product information

Features

Electrically and mechanically high-quality Cat. 5/Cat. 5e data cable - for the most demanding applications!
 Excellent screen effect, due to screen foil and tinned copper braid.
 Compatible with all current connecting hardware to EN 50173 and ISO/IEC 11801.
 Guaranteed limit values Cat. 5: ISO/IEC 11801 und EN 50173, EN 50288-2-1 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 over LANs and also for video signals (RGB).
 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	
174 786	4 x 2 x 0.60 (AWG23)	HF-4820-U	FRNC/LSOH ¹⁾	6.8	60.1	37.5	0.111 0.339	1000m Drum

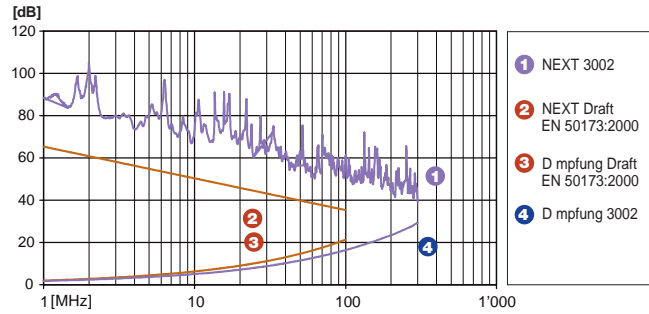
¹⁾ FRNC/LSOH = Flame Retardant Non Corrosive/Low Smoke Zero Halogen

Technical changes reserved.

Technical Data:

Electrical properties

Loop resistance at 20°C:	118 Ω/km
Mutual capacitance:	43 pF/m
Impedance Z ₀ :	100 Ω±15Ω
Transfer impedance at 1/10/30 MHz	10 mΩ/m
Near end unbalance att. ICL:	> 40 dB
Delay skew:	15 ns/100m
NVP:	76 %



Frequency [MHz]	1	4	10	16	20	31.25	62.5	100	155	200	250	300
Attenuation [dB/100m]	1.8	3.0	4.8	6.2	7.0	9.0	13.2	17.0	21.3	24.0	26.0	29.0
NEXT [dB]	77	72	67	65	61	54	49	46	45	43	42	40
PS NEXT [dB]	75	70	65	63	59	52	47	44	43	41	40	38
ACR [dB]	75	69	62	59	54	45	36	29	24	19	16	11
PS ACR [dB]	73	67	60	57	52	43	34	27	22	17	14	9
ELFEXT [dB]	84	69	63	60	55	51	47	41	38	36	31	29
PS ELFEXT [dB]	82	67	61	58	53	49	45	39	37	34	29	27
Return loss [dB]	27	31	31	31	31	30	28	28	27	26	24	22

These performance data are typical measured values.

Mechanical properties

Bending radius	- during draw-in	≥ 56 mm
	- permanently installed	≥ 28 mm
Tensile strength		≤ 113 N
Crush resistance		≥ 1000 N/10 cm
Impact resistance		≥ 10 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 white/orange white/green white/brown accordance to IEC 189 and IEC 708
Imprint	DAETWYLER UNINET 3002 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 61034-1
EMI	shielded
Category/class	better than Cat. 5, class D