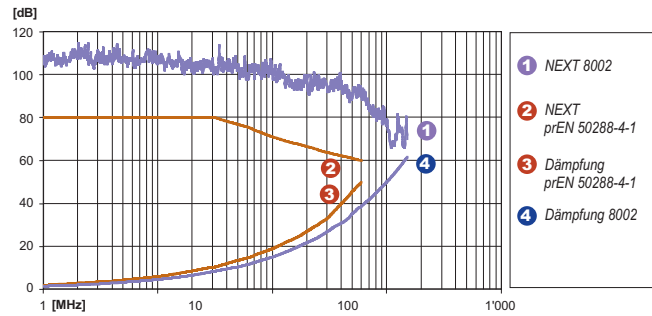




**Technical Data:**

**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:	5 mΩ/m
Near end unbalance att. LCL:	> 40 dB
Delay skew:	4 ns/100m
NVP:	76 %



Frequency [MHz]	1	4	10	16	20	31.25	62.5	100	155	300	600	800	1200	1500
Attenuation [dB/100m]	1.6	3.0	4.7	6.0	6.8	8.7	12.4	15.5	20.9	27.0	40	45	55	62
NEXT [dB]	100	100	100	98	98	95	95	95	90	90	82	78	67	64
PS NEXT [dB]	98	98	98	96	96	93	93	93	88	88	80	76	65	62
ACR [dB]	98	97	95	92	91	86	83	80	69	63	42	33	12	2
PS ACR [dB]	96	95	93	90	89	84	81	78	67	61	40	31	10	0
ELFEXT [dB]	98	98	98	98	95	92	86	80	76	67	48	39	31	24
PS ELFEXT [dB]	96	96	96	96	93	90	84	78	74	65	46	37	29	22
Return loss [dB]	28	30	35	35	35	35	34	34	32	29	27	26	25	23

These performance data are typical measured values.

**Mechanical properties**

Bending radius	- during draw-in	≥ 72 mm
	- permanently installed	≥ 36 mm
Tensile strength		≤ 130 N
Crush resistance		≥ 5000 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	FRNC/LSOH 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 8002 4P AWG 22 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. 7, Class F