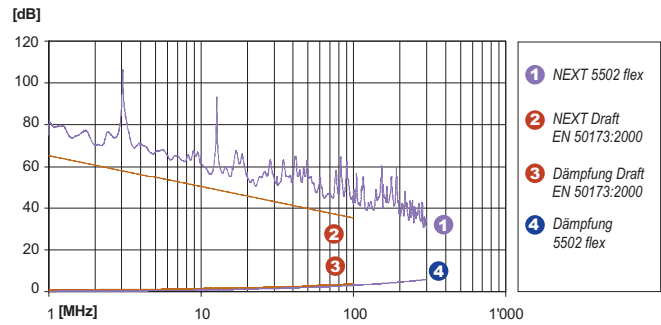


Technical Data:

Electrical properties

Loop resistance at 20°C:	225 Ω/km
Mutual capacitance:	44 pF/m
Impedance Z ₀ :	100 Ω±15Ω
Transfer impedance:	<25 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/10m]	0.2	0.5	0.8	1.0	1.2	1.5	2.2	3.0	3.9	4.6	5.2	5.8
NEXT [dB]	75	70	65	60	57	55	50	42	40	37	35	33
PS NEXT [dB]	75	70	60	60	60	55	50	42	40	37	33	30
ACR [dB]	74	69	64	59	56	53	48	39	36	32	30	27
PS ACR [dB]	74	69	59	59	59	53	48	39	36	32	28	24
ELFEXT [dB]	80	75	67	60	55	50	45	40	36	30	27	21
PS ELFEXT [dB]	77	72	63	57	53	47	41	37	33	27	23	18
Return loss [dB]	24	30	30	30	30	30	30	28	26	24	23	23

These performance data are typical measured values.

Mechanical properties

Bending radius	≥ 20 mm
Repeated bending	≥ 1000 cycles
Tensile strength	≤ 63 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	FRNC/LSOH version halogen content accordance to IEC 60754-2
Smoke density	accordance to IEC 61034
Burning behaviour	accordance to IEC 60332-1

General properties

Wire colour code	white/blue red/orange black/green yellow/brown
Imprint	DAETWYLER UNINET 5502 flex 4P FR/PVC (+batch no. and meter marks) or DAETWYLER UNINET 5502 flex 4P FRNC/LSOH (+batch no. & 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 (for FRNC/LSOH)
Self extinguishing	(DIN-VDE 0472-804) New: DIN VDE 0482-265, EN 50265 (CENELEC HD 405.1), IEC 60332-1
Minimum smoke production	(DIN-VDE 0472-816) New: DIN VDE 0482-268, EN 50268 (CENELEC HD 606), IEC 61034 (for FRNC/LSOH)
EMI	shielded
Category/class	better than Cat. 5, class D
Category/class	Cat. 6, Class E