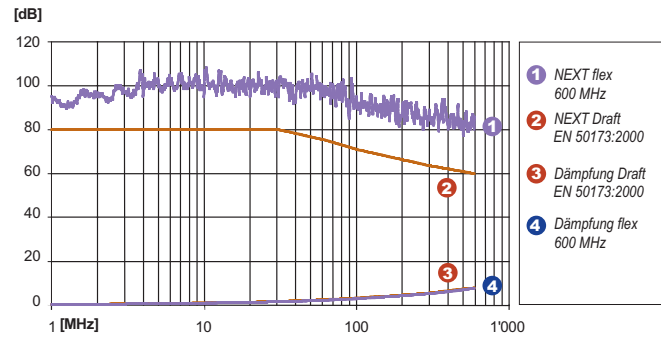


Technical Data:

Electrical properties

Loop resistance at 20°C:	380 Ω/km
Mutual capacitance:	46 pF/m
Impedance Z ₀ :	100 Ω±15Ω
Transfer impedance:	10 mΩ/m
Near end unbalance att. LCL:	> 40 dB
Delay skew:	5 ns/100m
NVP:	76 %



Frequency [MHz]	1	4	10	16	20	31.25	62.5	100	155	200	300	600
Attenuation [dB/10m]	0.31	0.59	0.91	1.15	1.29	1.62	2.33	2.98	3.74	4.26	5.32	7.66
NEXT [dB]	95	95	95	95	95	95	95	95	90	88	85	80
PS NEXT [dB]	92	92	92	92	92	92	92	92	87	85	82	77
ACR [dB]	95	94	94	94	94	93	93	92	86	84	80	72
PS ACR [dB]	92	91	91	91	91	90	90	89	83	81	77	69
ELFEXT [dB]	95	94	92	88	85	80	75	65	58	52	45	25
PS ELFEXT [dB]	92	91	89	85	82	77	72	62	55	49	42	22
Return loss [dB]	26	30	33	33	33	33	33	33	30	27	25	23

These performance data are typical measured values.

Mechanical properties

Bending radius	≥ 20 mm
Repeated bending	≥ 1000 cycles
Tensile strength	≤ 36 N
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 accordance to IEC 189 and IEC 708
Imprint	DAETWYLER UNINET flex 600 MHz FR/PVC (+batch no.) or DAETWYLER UNINET flex 4P 600 MHz FRNC/LSOH (+batch no.)

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. 7, Class F