

LAN cable FABER® dataline 1000 outdoor



Specification/Standard:	EN 50173, EN 50288-4-1, ISO/IEC 11801, IEC 6156-5
Conductor material:	bare copper
Insulation:	foam-PE
Screen over stranding unit:	foil
Screen over strand:	Cu-braid, tinned
Sheathing material:	polyethylene
Colour outer sheath:	black
UV-resistant:	yes
Permitted outer cable temperature, fixed:	-20 - +70 °C
Permitted outer cable temperature, in motion/ during installation:	-20 - +50 °C
Bending radius, fixed installation:	4 x DA
Bending radius, moving application:	8 x DA
Impedance:	100 Ohm
Velocity factor (NVP):	0,78 v/c
Category:	7+

Application: For the connection of IT system units in the desktop area (tertiary sector), e.g. between floor distributors and workstation up to 1000 Mbit/s (category 7+). It fully complies with the electromagnetic compatibility requirements (EMC) of European Standard EN 55022 and the guidelines of the European Postal Administration. Furthermore, the copper braiding ensures perfect matching with screened connectors.

Additional information: The PE-sheath enables direct earth burial of the cable.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

RF-parameters

f, MHz	attenuation, nominal value, dB/100 m	attenuation, typical value, dB/100 m	NEXT, dB, nominal value	NEXT, dB, typical value	PS-NEXT, dB, typical value	ELFEXT, dB/100 m, typical value	PS-ELFEXT, dB/100 m, typical value	PS-ACR, dB, typical value	Return loss, dB, typical value
1	2	1,9	80	100	97	90	87	95,1	27
10	5,7	5,5	80	100	97	90	87	95,1	30
16	7,2	6,9	80	100	97	86,7	83,7	90	30
20	8,1	7,8	80	100	97	84,8	81,8	89,2	30
100	18,8	18	72	94	91,3	70,8	67,8	73,3	25,1
155	23,4	22,7	70	91	87,9	67	64	65,1	23,8
300	33,3	32,5	65	85	82,7	61,3	58,3	50,3	21,8
600	48,9	47,6	61	80	77,3	55,2	52,2	29,6	19,7

f, MHz	attenuation, nominal value, dB/100 m	attenuation, typical value, dB/100 m	NEXT, dB, nominal value	NEXT, dB, typical value	PS-NEXT, dB, typical value	ELFEXT, dB/100 m, typical value	PS-ELFEXT, dB/100 m, typical value	PS-ACR, dB, typical value	Return loss, dB, typical value
900	-	60,0	-	77	74,1	51,7	48,7	14,1	18,4
1000	-	63,8	-	76	73,3	50,8	47,8	9,5	18,1

Table: Technical characteristics FABER® dataline 1000 outdoor

p/n	part name	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg/km]
101008	FABER® dataline 1000 Outdoor STP 4X2X AWG 23 PiMF PE SW	9,4	180	44	95

DA	Outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	weight