

# LAN cable FABER® dataline 1000 STP (S-FTP)



<b>CPR-performance:</b>	Dca
<b>Specification/Standard:</b>	ISO/IEC 11801, EN 50173, EN 55022, EN 50288-4-1, EN 50167, EN 50169
<b>Conductor material:</b>	copper, bare
<b>Insulation:</b>	foam-PE
<b>Screen over stranding unit:</b>	foil
<b>Screen over strand:</b>	Cu-braid, tinned
<b>Sheathing material:</b>	FRNC-compound HM2
<b>Colour outer sheath:</b>	orange RAL 2004
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Smoke density:</b>	DIN EN 61034/IEC 61034
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>Permitted outer cable temperature, fixed:</b>	-20 - +70 °C
<b>Permitted outer cable temperature, in motion/ during installation:</b>	0 - 50 °C
<b>Bending radius, fixed installation:</b>	4 x DA
<b>Bending radius, moving application:</b>	8 x DA
<b>Impedance:</b>	100 Ohm
<b>Velocity factor (NVP):</b>	0,78 v/c
<b>Category:</b>	7+
<b>Segregation class (EN 50174-2):</b>	d

#### *FABER® dataline 1000*

<b>Maximum operating capacity:</b>	56 nF/km
<b>Test voltage:</b>	2,5 kV
<b>Core identification:</b>	colours acc. to IEC 60708

#### *FABER® dataline 1000 duplex*

<b>Maximum operating capacity:</b>	56 nF/km
<b>Test voltage:</b>	2,5 kV
<b>Core identification:</b>	colours acc. to IEC 60708

**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.



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
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

p/n	part name	D <sub>A</sub> [mm]	F <sub>ZV</sub> [N]	E <sub>v</sub> [kWh/m]	Cu [kg/km]	G [kg/km]
100952	FABER® dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR	7,5	98	0,19	32	52
101043	FABER® dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR Reel in Box 200 m	7,5	98	0,19	32	52
101318	FABER® dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR Ringe a 100 m	7,5			32	52

Table: Technical characteristics FABER® dataline 1000 duplex

p/n	part name	b [mm]	h [mm]	F <sub>ZV</sub> [N]	E <sub>v</sub> [kWh/m]	Cu [kg/km]	G [kg/km]
100951	FABER® dataline 1000 Duplex STP 2X4X2X AWG 23 PiMF FRNC OR	15,2	7,5	196	0,39	64	104
101196	FABER® dataline 1000 Duplex STP 2X4X2X AWG 23 PiMF FRNC OR Reel in Box 100 m	15,2	7,5	196	0,39	64	104

DA	Outer diameter approx.
b	Width of (flat) cable approx.
h	Approx. height of (flat) cable
F <sub>ZV</sub>	Tensile strength (during installation)
E <sub>v</sub>	Combustion heat (fire load)
Cu	Copper weight (GER)
G	weight