

# LAN cable FABER<sup>®</sup> dataline 1000 outdoor STP (S-FTP)



**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 PE-sheath enables direct earth burial of the cable. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1.

## Construction and technical data:

<b>Specification/Standard:</b>	EN 50173, EN 50288-4-1, ISO/IEC 11801, IEC 6156-5
<b>Conductor material:</b>	copper, bare
<b>Insulation:</b>	foam-PE
<b>Screen over stranding unit:</b>	Foil
<b>Screen over strand:</b>	tinned copper braid
<b>Sheathing material:</b>	polyethylene
<b>Colour of outer sheath:</b>	black
<b>UV-resistant:</b>	yes
<b>Permitted outer cable temperature, fixed, °C:</b>	-20 - +70 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-20 - +50 °C
<b>Bending radius, fixed installation:</b>	4 x Ø
<b>Bending radius, moving application:</b>	8 x Ø
<b>Impedance:</b>	100 Ohm
<b>Velocity factor (NVP):</b>	0.78 v/c
<b>Category:</b>	7+
<b>Power over Ethernet (PoE):</b>	PoE+/IEEE 802.3at Type 2



*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.*

## HF-Parameter

f, MHz	attenuation, nominal value, n 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-EL-FEXT, 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

## FABER<sup>®</sup> dataline 1000 outdoor

part no.	part name	DI [mm]	RI [Ohm/km]	Ø [mm]	Fzv [N]	Cu	G [kg]
101008	Faber <sup>®</sup> dataline 1000 Outdoor STP 4X2X AWG 23 PiMF PE BK	0.56	75	8	180	44	95

DI	diameter conductor
RI	Conductor resistance
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000