

FACAB dataline 1000 STP (S-FTP)



Specification/standard:	ISO/IEC 11801, EN 50173, EN 55022, EN 50288-4-1, EN 50167, EN 50169
conductor material:	bare copper
insulation:	foam-PE
sheathing material:	FRNC-compound HM2
flame retardant:	acc. to IEC 60332-1-2
category:	7+
screen over stranding unit:	yes
screen over strand:	yes
velocity factor:	0,74 v/c
impedance:	100 Ohm
coupling resistance:	5 Ohm/km
max. operating temperature, fixed:	- 20 up to 70 °C
halogen free acc. to EN 50267-2-2:	yes
bending radius, moved application:	8 x DA
bending radius, fixed installation:	4 x DA

Application: For connection of IT system units in the desktop area, between workstations and as riser cable up to 1000 Mbit/s (category 7+). It fully complies with the requirements to electromagnetic compatibility (EMC) of the European Standard EN 55022. Additionally 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.

table: technical data FACAB dataline 1000

Art.-Nr.	part name	DI [mm]	RI [Ω/km]	DA [mm]	B [mm]	H [mm]	G [kg/km]	Fz [N]	Ev [kWh/m]
100952	FACAB dataline 1000STP 4X2X AWG 23 PiMF FRNC OR	0,56	75	7,5			65	98	0,19
100951	FACAB dataline 1000 DuplexSTP 2X4X2X AWG 23 PiMF FRNC OR	0,56	75		15,2	7,5	130	196	0,39

f, MHz	attenuation, dB/100 m, nominal value	attenuation, dB/100 m, typical values	NEXT, dB, nominal values	NEXT, dB, typical values	PS-NEXT, dB, typical values	ELFEXT, dB/100 m, typical values	PS-ELFEXT, dB/100 m, typical values	PS-ACR, dB, typical values	Return loss, dB, typical values
1	2	1,9	80	100	97	90	87	95,1	27
10	5,7	5,5	80	100	97	90	87	91,5	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	18,5	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		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