

LAN-cable 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
screen over stranding unit:	foil
screen over strand:	Cu-braid, tinned
sheathing material:	FRNC-compound HM2
colour of outer sheath:	orange RAL 2004
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
halogen free:	DIN EN 50267/IEC 60754
max. operating temperature, fixed:	- 20 up to 70 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	8 x DA
impedance:	100 Ohm
transfer impedance:	5 Ohm/km
velocity factor:	0,74 v/c
category:	7+
core identification:	<i>FACAB dataline 1000</i> colours acc. IEC 60708
test voltage:	500 V

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. Additional 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.

table: technical data FACAB dataline 1000

Art.-Nr.	part-name	DI [mm]	RI [Ω/km]	DA [mm]	B [mm]	H [mm]	Fz [N]	Ev [kWh/m]	CU	G [kg/km]
100952	FACAB dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR	0,56	75	7,5			98	0,19	32	65
100951	FACAB dataline 1000 Duplex STP 2X4X2X AWG 23 PiMF FRNC OR	0,56	75	15	15,2	7,5	196	0,39	64	130
101043	FACAB dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR Reel in Box 200 m	0,56	75	7,5			98	0,19	32	65
101196	FACAB dataline 1000 Duplex STP 2X4X2X AWG 23 PiMF FRNC OR Reel in Box 100 m	0,56	75		15,2	7,5	196	0,39	64	130

f, MHz	attenuation, dB/100 m, nominal value	attenuation, dB/100 m, typical values	NEXT, dB, nominal va- lues	NEXT, dB, typical va- lues	PS-NEXT, dB, typical values	ELFEXT, dB/100 m, typical values	PS-ELFEXT, dB/100 m, typical values	PS-ACR, dB, typical va- lues	Return loss, dB, typical va- lues
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