

FACAB[®] dataline 200 SFTP (SF-UTP*) 4x2xAWG 24 (LSOH)/(duplex)

* abbreviation acc. to ISO/IEC 11801(2002)

Specification/standard:	ISO/IEC 11801, EN 50173, EN 55022, consired EN 50167 und EN 50169
Construction:	<ul style="list-style-type: none"> - Cu-conductor 0,52 mm (AWG 24), bare - Polyolefin-Insulation, color code acc. to IEC 708 - two cores twisted in pairs - 4 pairs stranded - plastic coted metall-foil, metall side inside - screen Cu-wires braid, tinned coverage approx. 63% - outer sheath LSOH, orange RAL 2004 - the LSOH version is available also as duplex cables
Characteristic impedance:	100 Ω ± 15%
Velocity factor:	0,66 c
Coupling resistance:	at 10 MHz < 100 mΩ/m
Test voltage:	core/core = 500 V; core/screen = 1500V
Loop resistance:	<170 Ω/km
Insulation resistance:	>5 GΩxkm (core-core)
Operation capacity (800 Hz):	50 nF/km

f [MHz]	Attenuation [db/100 m]		NEXT [dB]		PS-NEXT [dB]	ELFEXT [dB/100 m]	PS-ELFEXT [dB/100 m]	PS-ACR [dB]
	value standard ¹⁾	typ. measured	value standard ¹⁾	typ. measured	typ. measured	typ. measured	typ. measured	typ. measured
		value		value	value	value	value	value
1	2,1	2,1	62	71	69	69	66	67
10	6,6	6,4	47	56	54	49	46	48
16	8,2	8,0	44	53	51	45	42	43
20	9,2	9,0	42	51	49	43	40	41
100	22,0	21,0	32	41	39	29	26	18
155	-	26,1	-	38	36	25	22	10
200	-	30,5	-	36	34	23	20	4

Copper number:	simplex 29 kg/km	duplex 58 kg/km
weihgt:	54 kg/km	108 kg/km
Outer diameter:	approx. 6,6 mm	(6,6x13,4) mm
min. bending radius:	under tensil: 8 x outer dimensions fixed: 4 x outer dimensions	
max. tensil load:	250 N	500 N
combustion energy:	0,70 MJ/m	1,4 MJ/m
Flame retardance:	acc. to VDE 0472 T. 803, test B (= IEC332-1)	
Operation temperature (fixed):	-30 at +70 °C	
Installation temperature:	-5 at +50 °C	

Application: To the connection of EDP system units within the desktop area (Tertiary period range), as between floor distributors and desktop acc. to category 5e (enhanced). It corresponds to the requirements of the EN 55022 and the guidelines of the European postal administration regarding interferences (EMV). Additionally the tinned screen braid offers a breakdownjet-safe transition to protected data plugs