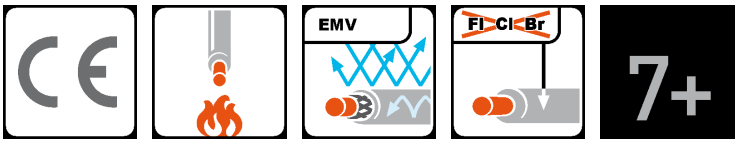
LAN-cable FACAB dataline 1000 STP (S-FTP)

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 - +70 °C
bending radius, fixed installation:	4 x DA
bending radius, moved application:	8 x DA
impedance:	100 Ohm
velocity factor:	0,74 v/c
category:	7+

	FACAB dataline 1000	*FACAB dataline 1000 duplex*
core identification:	colours acc. IEC 60708	colours acc. IEC 60708

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 compatibilty (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

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 FACAB dataline 1000

p/n	part name	D_A [mm]	F_{zv} [N]	E_v [kWh/m]	Cu [kg/km]	G [kg]
100952	FACAB dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR	7,5	98	0,19	32	65

p/n	part name	D_A [mm]	F_{zv} [N]	E_v [kWh/m]	Cu [kg/km]	G [kg]
101043	FACAB dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR Reel in Box 200 m	7,5	98	0,19	32	65
101318	FACAB dataline 1000 STP 4X2X AWG 23 PiMF FRNC OR Ringe a 100 m	7,5			32	65

Table: Technical characteristics FACAB dataline 1000 duplex

p/n	part name	D_A [mm]	b [mm]	h [mm]	F_{zv} [N]	E_v [kWh/m]	Cu [kg/km]	G [kg]
100951	FACAB dataline 1000 Duplex STP 2X4X2X AWG 23 PiMF FRNC OR	15	15,2	7,5	196	0,39	64	130
101196	FACAB dataline 1000 Duplex STP 2X4X2X AWG 23 PiMF FRNC OR Reel in Box 100 m		15,2	7,5	196	0,39	64	130

DA	outer diameter
b	width of (flat) cable
h	hight of (flat) cable
Fzv	tensile strength (during installation)
Ev	combustion energy
Cu	copper
G	weight