LAN cable
FABER® dataline 1300 STP (S-FTP) AWG 23

Application: For connection of IT system units in the desktop area, between workstations and as riser cable up to 1300 Mbit/s (category 7A). 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.

Construction and technical data:

CPR-classification according to EN 50575:	Dca
Specification/Standard:	ISO/IEC 11801, EN 50173
Conductor material:	copper, bare
Conductor construction:	Class 1 = solid
Insulation:	foam skin
Screen over stranding unit:	Foil
Screen over strand:	tinned copper braid
Screen coverage, approx.:	40 %
Sheathing material:	special FRNC-compound
Colour of outer sheath:	yellow
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	yes
Permitted outer cable temperature, fixed, °C:	-30 - +60 °C
Permitted outer cable temperature, moved, °C:	0 - 50 °C
Min. bending radius, fixed installation:	4 x Ø
Bending radius, moving application:	8 x Ø
Insulation resistance:	5000 MOhmxkm
Velocity factor (NVP):	0.76 v/c
Category:	7A
Segregation class (EN 50174-2):	d
Power over Ethernet (PoE):	IEEE 802.3bt Type 1, Type 2, Type 3, Type 4

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.

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Typical values of transmission technical attributes (values under 4 and over 1000 MHz are informative)

f, MHz	attenuation, db/100 m	NEXT, dB	PS-NEXT, dB	ACR	PS-ACR, dB	ACR-F, dB/100 m	PS-ACR-F, dB/100 m	RL, dB/100 m
1	2,1	78,0	75,0	75,9	72,9	78,0	75,5	20,0
4	3,7	78,0	75,0	74,3	71,3	78,0	75,5	23,0
10	5,8	78,0	75,0	72,2	69,2	75,3	72,3	25,0
16	7,3	78,0	75,0	70,7	67,7	71,2	68,2	25,0
31,2	10,3	78,0	75,0	67,7	64,7	65,4	62,4	23,6
62,5	14,6	78,0	75,0	63,4	60,4	59,4	56,4	21,5
100	18,5	75,4	72,4	56,9	53,9	55,3	52,3	20,1
250	29,7	69,4	66,4	39,7	36,7	47,3	44,3	17,3
500	42,8	64,9	61,9	22,2	19,2	41,3	38,3	17,3
600	47,1	63,7	60,7	16,6	13,6	39,7	36,7	17,3
1000	61,9	60,4	57,4			35,3	32,3	15,1
1200	68,4	59,2	56,2			33,7	30,7	14,3
1300	71,4	58,7	55,7			33,0	30,0	13,9

FABER® dataline 1300 AWG 23

Test voltage: 2.5 kV

Core identification: colours acc. to IEC 60708

part no.	part name	Ø [mm]	Ev [kWh/m]	Cu	G [kg]
102094	Faber® dataline 1300 STP 4X2X AWG 23 PIMF FRNC YE	7.5	0.14	36	52

FABER® dataline 1300 duplex AWG 23

Test voltage: 2.5 kV

Core identification: colours acc. to IEC 60708

part no.	part name	w [mm]	h [mm]	Ev [kWh/m]	Cu	G [kg]
102095	Faber® dataline 1300 Duplex STP 2X4X2X AWG 23 PIMF FRNC YE	16.5	7.5	0.28	72	110

w	Width
h	Height
Ø	outer diameter approx.
Ev	Combustion heat (fire load)
Cu	Copper weight (GER)
G	net weight per 1000