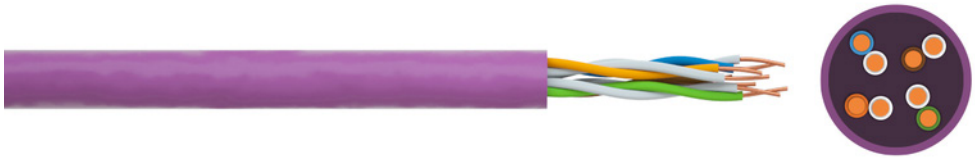
LAN cable
FABER® dataline 500 U/UTP



Application: For the connection of IT system units in the desktop area (tertiary sector), e.g. between floor distributors and work-station up to 500 Mbit/s (category 6A)

Construction and technical data:

CPR-classification according to EN 50575:	Cca
Standard:	ISO/IEC 11801, EN 50173, EN
Conductor material:	copper, bare
Insulation:	polyolefin
Sheathing material:	halogen-free
Colour of outer sheath:	violet
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	DIN EN 50267/IEC 60754
UV-resistant:	no
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
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.

© 2026 · Klaus Faber AG · all rights reserved KLAUS FABER AG · Europaallee 33 · 66113 Saarbrücken · Germany · T +49 681 9711 - 0

HF-Parameter

f, MHz	Dämpfung, typ. Werte, dB/100 m	NEXT, dB, typische Werte	PS-NEXT, dB, typische Werte	ELFEXT, dB/100 m, typische Werte	PS-ELFEXT, dB/100 m, typische Werte	PS-ACR, dB, typische Werte	Return loss, dB, typische Werte
1	2,1	75,3	72,3	68	65	70,2	20
4	3,8	66,3	63,3	56	53	59,5	23
10	5,9	60,3	57,3	48	45	51,4	25
16	7,5	57,2	54,2	43,9	40,9	46,8	25
31,2	10,5	52,9	49,9	38,1	35,1	39,4	23,6
62,5	15	48,4	45,4	32,1	29,1	30,4	21,5
100	19,1	45,3	42,3	28	25,0	23,2	20,1
125	21,5	43,8	40,8	26,1	23,1	19,3	19,4
200	27,6	40,8	37,8	22	19	10,2	18
250	31,1	39,3	36,3	20	17,0	5,3	17,3
300	34,3	38,1	35,1	18,5	15,5	0,9	17,3
500	45,3	34,8	31,8	14	11,0	-13,4	17,3

FABER® dataline 500 U/UTP FRNC

Maximum operating capacity: 56 nF/km

part no.	part name	Ø [mm]	Ev [kWh/m]	Fzv [N]	Cu	G [kg]
101880	Faber® dataline 500 U/UTP 4X2XAWG23 FRNC VI	7.2	0.21	80	22	55

Ø	outer diameter approx.
Ev	Combustion heat (fire load)
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000

© 2026 · Klaus Faber AG · all rights reserved KLAUS FABER AG · Europaallee 33 · 66113 Saarbrücken · Germany · T +49 681 9711 - 0