

# DATA CABLE F/UTP CATEGORY 6

## EUROCLASS DCA (LSFH)






REF.	ART. NR.	DESCRIPTION	EAN 13
212101	CAT6F500V	DATA CAB. F/UTP Cat-6 Dca Cu VI.500m	8424450186510

**+** This data cable F/UTP CAT6 supports Gigabit Ethernet protocol up to 250MHz. This allows it to guarantee up to 1 Gbps transfer speeds. It can be either installed in vertical or horizontal distributions:

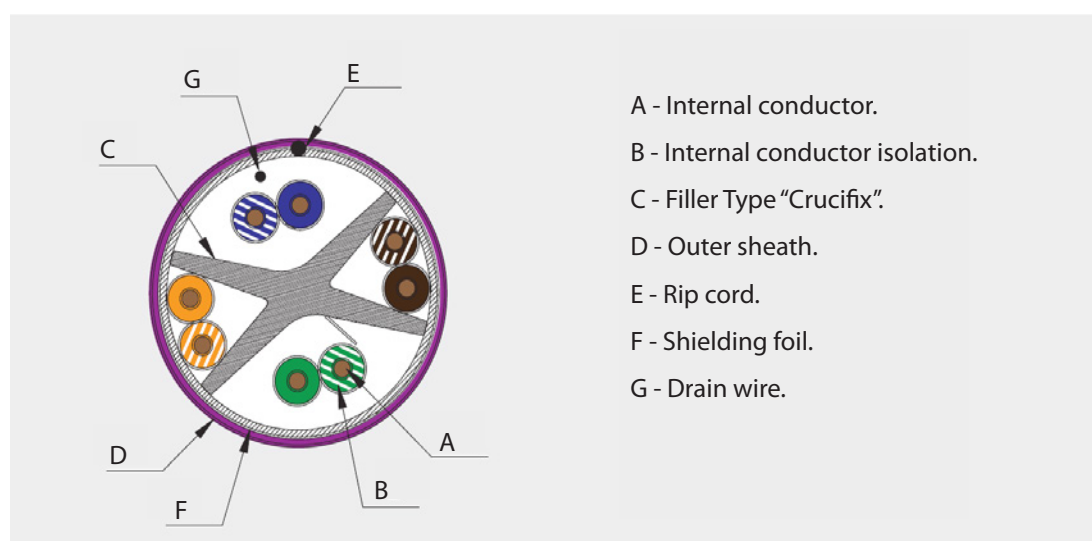
- 10 Base-T, 100 Base-T and 1000 Base-T network standards.
- Shielded cable.
- Euroclass Dca.
- Outer in low smoke emission material LSFH (Low Smoke Free Halogen).
- It is appropriate for install in closed areas and public premises, especially for installation points sensitive to possible interferences produced by machinery.



REF.	ART. NR.	 mm (x,y,z)	 Kg (total)	 U./Pack.
212101	CAT6F500V	500x500x210	51	500/reel



DETAIL/ CABLE SECTION.



 SPECIFICATIONS.

Euroclass		Dca
Conductor	Material	Solid copper
	Ø mm	0,55 ± 0,02
Conductor type	AWG	23
Conductor isolation	Material	Polyethylene
	Ø mm	0,95
Filler	Crucifix	Yes
Shielding foil	Material	Yes (aluminium + polyester)
Drain wire	Material	Yes (copper clad steel)
	Ø mm	0,4
Outer sheath	Material	Low Smoke Free Halogen (LSFH)
	Ø mm	7,2 ± 0,2
	Thickness (mm)	0,60 ± 0,05
	Colour	Violet
Ripcord	--	Yes
Nominal impedance	Ω	100 ± 15
Maximum conductor resistance	Ω/Km	<117
Nominal velocity	%	72
Working voltage	V	300

 FREQUENCY RESPONSE.

Frequency	Attenuation	NEXT*	PS-NEXT*	ELFEXT*	PS-ELFEXT	RETURN LOSS
(MHz)	(dB/100m)					
0,772	1,8	76	74	70	67	-----
1	2	74,3	72,3	67,8	64,8	20
4	3,8	65,3	63,3	55,7	52,7	23
8	5,4	60,8	58,8	49,7	46,7	24,5
10	6	59,3	57,3	47,8	44,8	25
16	7,6	56,3	54,3	43,7	40,7	25
20	8,5	54,8	52,8	41,7	38,7	25
25	9,6	53,3	51,3	39,8	36,8	24,3
31,25	10,7	51,9	49,9	37,9	34,9	23,6
62,5	15,5	47,4	45,4	31,8	28,8	21,5
100	19,9	44,3	42,3	27,8	24,8	20,1
125	22,4	42,8	40,8	25,9	22,9	19,4
200	29,2	39,8	37,8	21,7	18,7	18
250	33	38,3	36,3	19,8	16,8	17,3

\*NEXT (Near-End Crosstalk) / PS-NEXT (Power Sum NEXT) / ELFEXT (Equal Level Far End Crosstalk) / PS-ELFEXT (Power Sum ELFEXT)