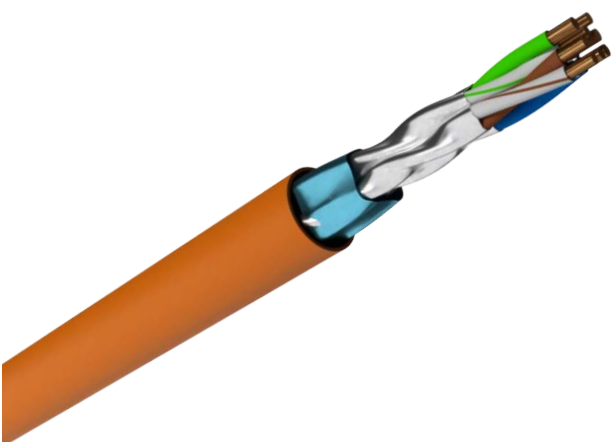


CATEGORY 6A

D-Link®

F/FTP CABLE

NCB-6AFFORGR-305-24



Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs.

Supports 10 Gigabit Ethernet (10GbaseT) standard. Operates at bandwidth of 250MHz

Approval: ETL verified to ANSI/TIA-568.2-D & ISO/IEC 11081

CONSTRUCTION

Conductor	Bare copper wire, Ø 23AWG
Insulation	Physical Foam PE, wire colour according to IEC 60189-2, EN 50290-2-23
Lay up	Two insulated conductors twisted together, pairs twisted together
Screen	Aluminium/Polyester tape (aluminium side in)
Drain wire	Tinned copper wire, 26AWG
Overall screen	Aluminium/Polyester tape (aluminium side in)
Sheath	LSZH compound, various colours, according to EN 50290-2-27
Cable diameter	7.0mm nominal

COLOUR CODE

<u>PAIR NO</u>	<u>COLOUR</u>
1-2	Orange/White & Orange
3-6	Green/White & Green
4-5	Blue/White & Blue
7-8	Brown/White & Brown

MECHANICAL CHARACTERISTICS

Bending Radius	: 8 x Cable Diameter
Temperature Range	
Installation	: 0° to +50°C
Operation	: -20° to +60°C

ELECTRICAL CHARACTERISTICS

Conductor resistance	≤ 70 Ω/km	Conductor
resistance unbalance	≤ 2 %	
Insulation resistance	≥ 5000 MΩxkm	
Mutual capacitance	43 nF/km	
Capacity unbalance	≤ 1200 pF/km	
Operating voltage	72 V DC	

COPPER CABLES



dlinkmea.com/scs

F/FTP CABLE

NCB-6AFFORGR-500-LS

TRANSMISSION CHARACTERISTICS

Frequency MHz	Attenuation dB/100m		NEXT dB	PS-NEXT dB	ACR-F dB/100m	PS-ACR-F dB/100m	RL dB
	Typ.	Max.					
1	2,0	2,1	74,3	72,3	67,8	64,8	20,0
4	3,6	3,8	65,3	63,3	55,8	52,8	23,0
8	4,9	5,3	60,8	58,8	49,7	46,7	24,5
10	5,6	5,9	59,3	57,3	47,8	44,8	25,0
16	7,0	7,5	56,2	54,2	43,7	40,7	25,0
20	7,8	8,4	54,8	52,8	41,8	38,8	25,0
25	8,9	9,4	53,3	51,3	39,8	36,8	24,3
31,25	10,0	10,5	51,9	49,9	37,9	34,9	23,6
62,5	14,4	15,0	47,4	45,4	31,9	28,9	21,5
100	18,2	19,1	44,3	42,3	27,8	24,8	20,1
155	22,7	24,1	41,5	39,5	24,0	21,0	18,8
200	26,1	27,6	39,8	37,8	21,8	18,8	18,0
250	29,0	31,1	38,3	36,3	19,8	16,8	17,3
300	32,3	34,3	37,1	35,1	18,3	15,3	16,8
400	37,3	40,1	35,3	33,3	15,8	12,8	15,9
500	41,8	45,3	33,8	31,8	13,8	10,8	15,2

CONNECTION SYSTEM

Compatible with all common systems according to ANSI/TIA-568-C.2, ISO/IEC 11801 Ed. 2.0

ORDERING INFORMATION

MODEL NAME

NCB-6AFFORGR-500-LS

DESCRIPTION

Cat.6a F/FTP CABLE,LSZH,500mtr roll

