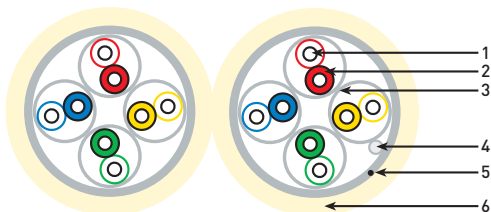


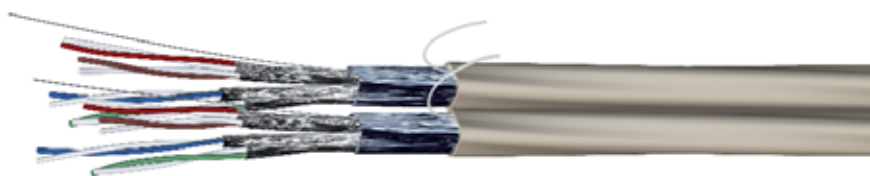
High Speed LAN Cables VISISAT - 4 Pair and 2x4 Pair Category 6



ISO 11801, EN 50173, EN 50288-5-1, IEC 61156-5



Marking: 4 P (or 2x4 P) FTP CAT 6 100 OHMS 250 MHz LSZH (or PVC) – General Cable - Year - Month + metric units



CONSTRUCTION

- 1 - 23AWG solid annealed copper conductor (0.574 mm)
- 2 - PE insulation (Foan-Skin)
- 3 - Braided pairs with individual screen on each pair
- 4 - Tinned Cu drain wire and Al Mylar screen
- 5 - Rip cord
- 6 - Grey PVC flame retardant sheath

APPLICATIONS

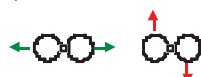
The VISISAT group of cables is recommended for video and digital transmissions at very high speeds in environments subject to strong electromagnetic interference. The use of Class E (100base, T, TP-MD, ATM155, 2-pair GIGABIT-ETHERNET, ATM1200) is easily permitted, along with analogue and digital TV signals. Its specifications reach 300 MHz.

COLOUR CODE

Pairs	Colour combination
1	white ■ blue
2	white ■ orange
3	white ■ green
4	white ■ brown

Note: These cables are not suitable for low impedance applications such as heating and lighting, etc. They are identified with the mark pursuant to the provisions of the European Council Low Voltage Directive 73/23/EEC of 19 February 1973, subsequently amended by Directive 93/68EEC of 22 July 1993.

To separate the two 2x4 pair cables (Duplex), cut the seal and split them as indicated below.



ELECTRICAL CHARACTERISTICS

Nominal Velocity of Propagation (NVP) (%)	72
Average impedance from 10 to 250 MHz (Ω)	100 \pm 5
Propagation delay (ns/100m)	470
Delay skew (ns/100m)	25
DC Resistance in C.C. (Ω /k)	164
Dielectric strength during 1 minute (V c.c.)	1000
Insulation strength (M Ω .km)	> 5000
Coupling attenuation:	
- 30 to 100 MHz	> 80 dB
- 100 to 1000 MHz	80-20log(f/100)
Nominal/maximum operating voltage (V)	200
Maximum operating current (A)	0,25

TRANSMISSION CHARACTERISTICS

Freq. MHz	Attenuat. Max. dB/100m	NEXT dB (min)	PS-NEXT dB (min)	ELFEXT dB (min)	PS-ELFEXT dB (min)	Return Loss dB (min)
1	2	78	75	78	75	23
10	5,9	78	75	74	71	25,0
16	7,4	78	75	69,9	66,9	25
31,25	10,4	78	75	64,1	61,1	23,6
62,5	14,8	75,5	72,5	58,1	55,1	21,5
100	18,8	72,4	69,4	54	51	19,9
155	23,5	69,5	66,5	50,2	47,2	18,8
250	31	66,5	63,5	46	43	17,3
300	34,2	65	62	33	31	16,8

ORDERING INFORMATION

	4 pairs	2x4 pairs
Standard supply length	1000 m	500 m
Type of spool	600 mm (disposable)	
Size	0,6 x 0,455 m	
Nominal weight of the loaded spool	70 kg	70 kg

Storage temperature	-15°C to +70°C
Operating temperature	0°C to +60°C
Fitting temperature	-5°C to +40°C
Fire resistance	(between 5°C and +5°C, keep at 20°C for 24 hours before drawing) Pursuant to IEC 60332-1 and NFC 32070 category C2

ORDERING INFORMATION

Code	Pairs/AWG	Sheath	Packaging
CFS6H41GRP	4/23	LSZH 332-1, Grey	1,000m reels
CFS6V81GRP	2x4/23	PVC, Grey	500m reels
CFS6H85GRP	2x4/23	LSZH 332-1, Grey	1,000m reels