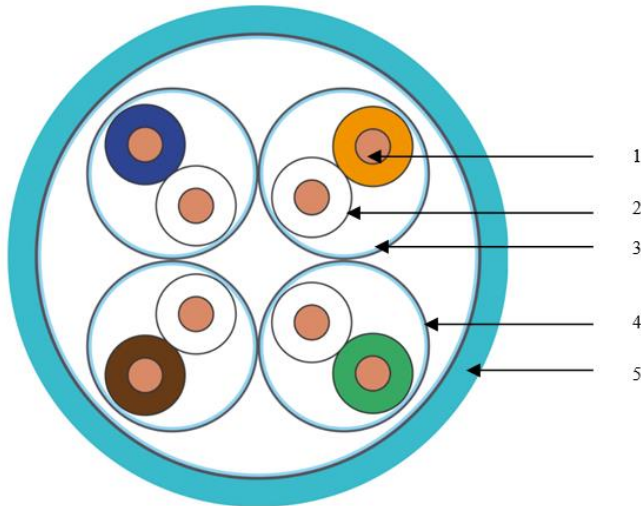


Installation cable Cat.6_A S/FTP 4PR LSFRZH CPR Class B2_{CA} 650 MHz



CONSTRUCTION:

- 1 – Conductor**
Material: solid bare annealed copper.
Nominal diameter: 23 AWG.
- 2 – Insulation**
Material: Foam skin polyethylene.
Nominal diameter: 1.38 mm.
- 3 – Individual screen:** aluminum / polyester tape.
- 4 – Screen:** aluminum / polyester tape.
- 5 – Outer sheath**
Material: LSFRZH
Color: Turquoise (RAL 6027)

Standards

ISO/IEC 11801
EN 50173
IEC 61156-5
EN 50288-10-1
IEC 60332-3-24
IEC 60754-1/2
IEC 61034-1/2

SUPPORTED APPLICATIONS

100BASE-T
1000BASE-T
2,5GBase-T
5GBase-T
10GBase-T
Power over Ethernet

Ordering

XR1431048130– Reel 500m

MECHANICAL CHARACTERISTICS

Min bending radius without a load	4 x D	mm
Min bending radius with a load	8 x D	mm
Max. tensile force	110	N
Weight	64,1	kg/km
Copper content	36	kg/km
Outer diameter	7.4	mm
Wire diameter	23	AWG

ELECTRICAL CHARACTERISTICS @ 20°C

Loop resistance	160	Ω/km
Mutual capacitance	43	nF/km
Nominal velocity of propagation NVP	79	%
Max delay skew	12	ns/100m
Mean characteristic impedance @ 100MHz	100 ± 5	Ω
Max Transfer impedance @ 1 MHz	8	mΩ/m
@ 10 MHz	8	mΩ/m
@ 30 MHz	10	mΩ/m
Segregation classification acc. EN 50174-2:	D	-
Min coupling attenuation	85	dB

ENVIRONMENTAL CHARACTERISTICS

Temperature range during storage	-20 ÷ +60	°C
Temperature range during operation	-20 ÷ +60	°C
Temperature range during installation	0 ÷ +50	°C

FIRE REACTION

Fire load	640	MJ/km
Jacket material	LSFRZH acc: IEC 60332-3-24, IEC 60754-1/2, IEC 61034-1/2	
Euroclass acc. CPR (EN 50575)	B2ca s1a d1 a1; DoP 00124P	

NOMINAL TRANSMISSION CHARACTERISTICS

Frequency	Attenuation	NEXT	PS-NEXT	ACR	PS-ACR	ACR-F	PS-ACR-F	RL
MHz	dB/100m	dB	dB	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m
1,0	1,8	100	97	98	95	105	105	-
4,0	3,4	100	97	97	94	105	102	27
10,0	5,4	100	97	95	92	97	94	30
100,0	17,4	100	97	83	80	77	74	30
250,0	28,1	90	87	62	59	69	66	24
500,0	44,8	85	82	40	37	61	58	22
650,0	45,2	82	80	36	32	57	55	21

CABLE MARKING

FIBRAIN DATA CABLE CAT6A S/FTP 4PR 23 AWG 650MHZ NVP 79% LSFRZH CPR CLASS B2ca ISO/IEC11801 EN50173 ANSI/TIA/568.2-D JJJJ XR1431048130 OFRRRRRR . XXXXX M

Where

JJJJ: production year
OFRRRRRR: manufacturer order
XXXXX: length