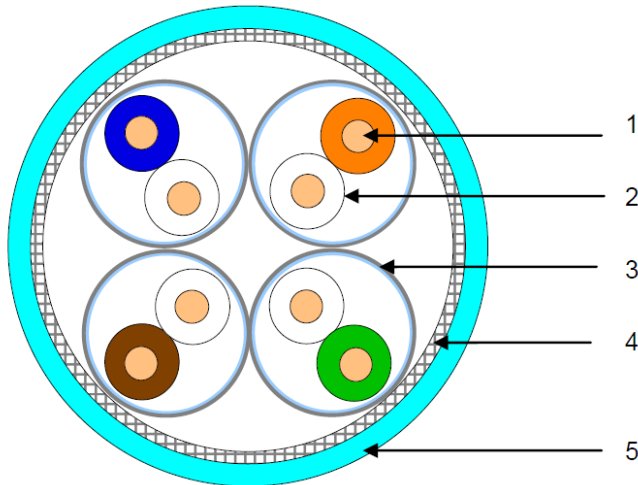


Installation cable Cat.6_A S/FTP 4PR LSFRZH CPR Class D_{CA} 600 MHz



CONSTRUCTION:

- 1 – Conductor**
Material: solid bare annealed copper.
Nominal diameter: 23 AWG.
- 2 – Insulation**
Material: Foam skin polyethylene.
Nominal diameter: 1.3 mm.
- stranded wires**
Pair: 2, twisted insulated conductors.
Number of pairs: 4, all twisted together.
- 3 – Individual screen:** aluminum / polyester tape.
- 4– Screen:** Tinned copper braid
- 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

10BASE-T (IEEE 802.3)
100BASE-T (IEEE 802.3)
1000BASE-T (Gigabit Ethernet)
10GBASE-T (10Gigabit Ethernet)
Power Over Ethernet

ORDERING

XR100F147 – bęben 1000m

MECHANICAL CHARACTERISTICS

Min. bending radius in operation	30	mm
Min. bending radius during installation	60	mm
Max. pulling tension	110	N
Nominal weight	60	kg/km
Nom. outer diameter	7.6	mm
Nom. wire diameter	23	AWG

ELECTRICAL CHARACTERISTICS @ 20°C

Max. DC Resistance:	95	Ω/km
Nom. Mutual Capacity	45	pF/m
NVP:	80	%
Mean input Impedance:	100 ± 5 @ 100MHz	Ω
Delay Skew:	5	ns/100m
Segregation class:	d	-
Coupling attenuation:	Min.80	dB

TEMPERATURE CHARACTERISTICS

Storage Temperature	-20 to +70	°C
Operating Temperature	-20 to +70	°C
During installation	0 to +50	°C

ENVIRONMENTAL CHARACTERISTICS

Jacket material	LSFRZH
Flammability	Zgodnie z IEC 60332-3-24, IEC 60754-1/2; IEC 61034-1/2 EN50575; D_{CA}-s2,d1,a1 ; DoP 0012
Calorific value	0,62 MJ/m

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.

TRANSMISSION CHARACTERISTICS

Frequency MHz	Attenuation dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ACR-F dB/100m (min.)	PS-ACR-F dB/100m (min.)	RL dB/100m (min.)
4	3,6	100	100	91,2	88,2	28,0
16	7,2	100	100	89,4	86,4	30,0
20	8,0	100	100	89,0	86,0	30,0
31,25	10,0	100	100	88,0	85,0	28,6
62,5	14,2	100	97,5	85,9	82,9	26,5
100	18,1	97,4	94,4	84,0	81,0	25,1
155	22,7	94,5	91,5	81,7	78,7	23,8
200	25,8	92,9	89,9	80,1	77,1	23,0
240	29	91,7	88,7	78,5	75,8	22,4
250	31,9	91,4	88,4	75,7	75,5	22,3
350	34,6	89,2	86,2	75,7	72,7	22,3
500	41,8	86,9	83,9	72,1	69,1	22,3
650	43,2	82,2	81,0	70,9	66,8	22,3

CABLE MARKING

FIBRAINDATA CABLE CAT6A S/FTP 4PR 23 AWG 650MHZ NVP 80% LSFRZH CPR CLASS Dca ISO/IEC11801 EN50173 ANSI/TIA/568-C.2 JJJJ XR100F147 OFRRRRRR . XXXXX M

Where

JJJJ: production year
OFRRRRRR: manufacturer order
XXXXX: length

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