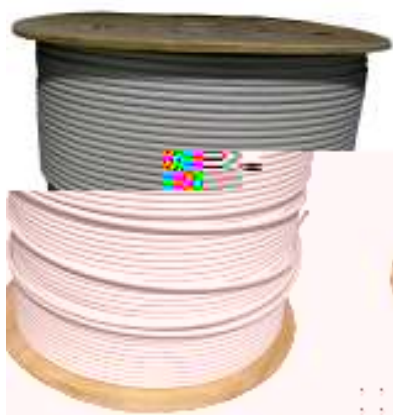


CABLE Optilan® FTP FLEXIBLE Cat.6 LSZH



El cable Optilan® FTP flexible, ha sido diseñado para superar los requisitos establecidos por los organismos ISO/IEC, TIA y CENELEC para CAT.6, para dar soporte a aplicaciones Gigabit Ethernet.

Cable idóneo para el montaje de latiguillos de parcheo, de fácil destrenzado y manipulación.

El uso de la pantalla y la cruceta que separa los pares, asegura que los sistemas instalados sean inmunes a los problemas de rendimiento que a veces se encuentran en las redes de cables de cobre de alta frecuencia y velocidad.

Disponible con cubierta en color blanco, rojo, verde, azul y amarillo.

Suministro en bobinas de 500m o al corte.

Electrical characteristics

Frecuencia	Characteristic Impedance Upper limit	Characteristic Impedance Lower limit	ATT	RL	NEXT	PS NEXT	ELFEXT	PS ELFEXT	PD
(MHz)	Zu (Ω)	Zl (Ω)	(dB/100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(ns/100 m Max)
4	115.2	86.8	6.1	23.0	65.3	63.3	55.8	52.8	552.0
8	112.6	88.8	8.6	24.5	60.8	58.8	49.7	46.7	546.7
10	111.9	89.4	9.7	25.0	59.3	57.3	47.8	44.8	545.4
16	111.9	89.4	12.4	25.0	56.2	54.2	43.7	40.7	543.0
20	111.9	89.4	13.9	25.0	54.8	52.8	41.8	38.8	542.0
25	112.9	88.5	15.6	24.2	53.3	51.3	39.8	36.8	541.2
31.25	114.1	87.7	17.6	23.3	51.9	49.9	37.9	34.9	540.4
62.5	118.3	84.5	25.5	20.7	47.4	45.4	31.9	28.9	538.6
100	121.9	82.0	33.0	19.0	44.3	42.3	27.8	24.8	537.6
200	128.8	77.6	48.6	16.4	39.8	37.8	21.8	18.8	536.5
250	131.5	76.0	55.3	15.6	38.3	36.3	19.8	16.8	536.3



Physical characteristics

Structure

Construction	F/UTP
Number of pairs	4 Pairs

Conductor

AWG	26 AWG
Conductor material	Stranded bare copper
Conductor dimension	7/0.16 ±0.02 mm

Insulation

Insulation material	HDPE
Insulation dimension	0.89 ±0.05 mm
Number colour (Strip marking)	White/Blue(Stripe) & Blue White/Orange(Stripe) & Orange White/Green(Stripe) & Green White/Brown(Stripe) & Brown

Cabling

Twisting lay length	≤ 30mm
Cabling lay length	≤ 200mm

Filler

Filler material	YES
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Binder

Binder material	Polyester
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Shield

Individual shield & material	AL-Foil
Primary overall shield & material	N/A
Secondary overall shield & material	N/A
Shield coverage	N/A
Drain wire	N/A

Outer jacket

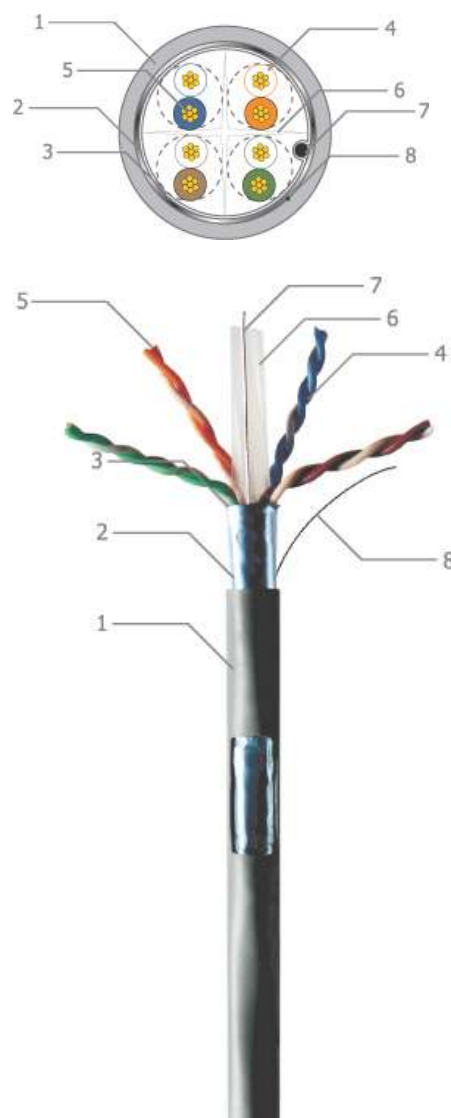
Outer jacket material	LSZH
Outer jacket thickness (Nom)	0.45 mm
Overall nominal dimension	5.8±0.30 mm
Outer jacket rip cord	Yes

Mechanical characteristics

Operating temperature range	-20 °C ~ +75 °C
Bulk cable weight	33 kg/km
Max. recommended pulling tension	110 N
Min. bend radius (Install)	8 x O.D.
Outer jacket tensile strength	≥ 9 MPa
Outer jacket elongation	≥ 100%
Outer jacket aging condition	100 °C x 168 hrs
After aging, Tensile strength	≥ 70% of unaging
After aging, Elongation	≥ 50% of unaging
Cold bend	No crack (@ -20°C x 4hrs)

Electrical characteristics

Nom. mutual capacitance	≤ 5.6 nF/100m (@1kHz)
Pair to ground capacitance unbalance	≤ 1600 pF/km
Nominal velocity of propagation	65%
Max. delay skew	45 ns/100m
Max. conductor DC resistance	145/km (@ 20 °C)
Max. Conductor resistance unbalance	2% (@ 20 20 °C)
Min. insulation resistance	5000 MΩ·km
Max. operating voltage - UL	300 V



1	Outer jacket
2	AL-Foil
3	Polyester
4	Insulation
5	Conductor
6	Filler
7	Drain wire
8	Rip cord