

Cód. 2034EX CABLE Optilan® FTP Cat.6 rígido AWG24 EXTERIOR



Idóneo para todas aquellas instalaciones en las que es inevitable que un tramo tenga que pasar por exterior (fachadas, cubiertas...) siempre y cuando no se superen los 100m del enlace total.

Para redes de transmisión de datos, voz e imagen entre puntos fijos.

Suministro en bobinas de 305m de madera no retornables.

Electrical characteristics

Frecuencia	Characteristic Impedance Upper limit	Characteristic Impedance Lower limit	ATT	RL	NEXT	PS NEXT	ELFEXT	PS ELFEXT	PD
(MHz)	(Ω)	(Ω)	(dB/100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(ns/100 m Max)
4	115.2	86.8	3.8	23.0	66.3	63.3	56.0	53.0	552.0
8	112.6	88.8	5.4	24.5	61.8	58.8	49.9	46.9	546.7
10	111.9	89.4	6.0	25.0	60.3	57.3	48.0	45.0	545.4
16	111.9	89.4	7.6	25.0	57.2	54.2	43.9	40.9	543.0
20	111.9	89.4	8.5	25.0	55.8	52.8	42.0	39.0	542.0
25	112.9	88.5	9.6	24.3	54.3	51.3	40.0	37.0	541.2
31.25	114.1	87.7	10.7	23.6	52.9	49.9	38.1	35.1	540.4
62.5	118.3	84.5	15.5	21.5	48.4	45.4	32.1	29.1	538.6
100	121.9	82.0	19.9	20.1	45.3	42.3	28.0	25.0	537.6
150	125.7	79.6	24.8	18.9	42.7	39.7	24.5	21.5	536.9
200	128.8	77.6	29.1	18.0	40.8	37.8	22.0	19.0	536.5
250	131.5	76.0	33.0	17.3	39.3	36.3	20.0	17.0	536.3

Leyenda del cable: OPTILAN F/UTP CAT.6 250MHZ PE (OUTDOOR) ISO/IEC11801&EN 50288&TIA&IEC61156-5 VERIFIED FOR GIGABIT ETHERNET-24AWGx4P



Physical characteristics

Structure

Construction	F/UTP
Number of pairs	4 Pairs

Conductor

AWG	24 AWG
Conductor material	Solid bare copper
Conductor dimension	0.525 ±0.02 mm

Insulation

Insulation material	PE
Insulation dimension	1.08 ±0.05 mm
Number colour (Strip marking)	White/Blue(Strip) & Blue White/Orange(Strip) & Orange White/Green(Strip) & Green White/Brown(Strip) & Brown

Cabling

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

Filler

Filler material	PE
-----------------	----

Binder

Binder material	Polyester tape
-----------------	----------------

Shield

Individual shield & material	N/A
Primary overall shield & material	Al-Foil
Secondary overall shield & material	N/A
Shield coverage	100%
Drain wire Nom	0.4 mm solid tinned copper

Outer jacket

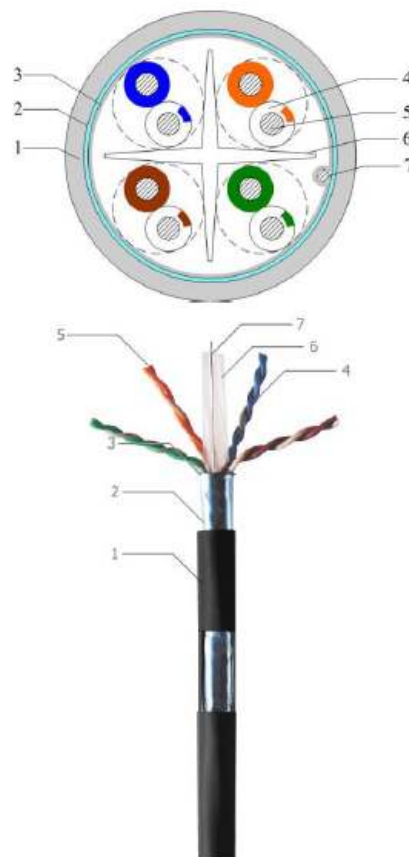
Outer jacket material	PE (RESISTANT UV)
Outer jacket thickness (Nom)	0.6 mm
Overall nominal dimension	7.3 ±0.3 mm
Outer jacket rip cord	N/A
Outer jacket colour	Black

Mechanical characteristics

Operating temperature range	-20 °C ~ +75 °C
Bulk cable weight	44 kg/km
Max. recommended pulling tension	80 N
Min. bend radius (Install)	8 x O.D.
Outer jacket tensile strength	≥ 9.7 MPa
Outer jacket elongation	≥ 350%
Outer jacket aging condition	100 °C x 48 hrs
After aging, Tensile strength	≥ 75% of unaging
After aging, Elongation	≥ 75% 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	95Ω/km (@ 20 °C)
Max. Conductor resistance unbalance	2% (@ 20 °C)
Min. insulation resistance	5000 MΩ·km
Max. operating voltage - UL	300 V



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