

Tech Data

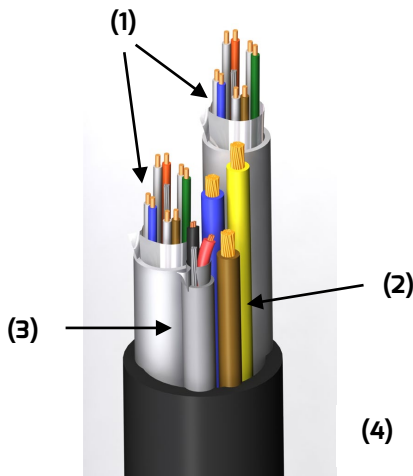
REF.: 11986

CABLE AND FIBRE OPTIC

HYBRID

1 Digital AUDIO + 2 CAT 6 F/UTP + 3 Power

Descripción



(1) 2 CAT 6 F/UTP: Solid bare annealed copper conductor. Polyethylene Insulation. Twisted. Wired. Aluminium-Polyester foil individual shield each pair. Aluminium-Polyester foil overall shield. Tinned copper drain wire. LSZH outer sheath. Data transmission up to **10GBaseT/500 MHz**

(2) 3 POWER: Bare copper conductor 1.5 mm². PVC insulation.

(3) 1 Digital AUDIO: Bare copper conductor. Cellular Polyethylene Insulation. Wired. Polyester foil protection. Tinned copper drain wire. Aluminium-Polyester foil shield. PVC Outer sheath.

(4) GENERAL: PVC-NBR outer sheath.

Aplicaciones

- 10 BASE-T
- 4/16 Mbps TOKEN RING (IEEE 802.5)
- 100 BASE-VG-AnyLAN
- 100 Mbps TP-PMD (ANSI x3t9.5)
- 55/155 Mbps ATM
- 1000 BASE-T (Gigabit Ethernet)
- 1.2 Gbps ATM
- 10G BASE-T (Length<50 m)

Tech Data

REF.: 11986

CABLE AND FIBRE OPTIC

HYBRID

1 Digital AUDIO + 2 CAT 6 F/UTP + 3 Power

Physical Characteristics

		Conductor	Insulation
CAT 6 F/UTP		Material: Solid Bare annealed Cu (Copper) Section: 0.26 mm ² AWG: 23	Material: Polyolefin foam-skin Colour: Blue / White , Orange / White , Green / White , Brown / White .
		Wired	Drain wire
		Composition: 4 pares	Material: Tinned copper
	Shielding		
		Overall Shield	Material: Aluminium-Polyester foil
	Sheath		
		Material: LSOH (Low Smoke Zero Halogens) Diameter: 7.6 mm Colour: White	

Tech Data

REF.: 11986

CABLE AND FIBRE OPTIC

HYBRID

1 Digital AUDIO + 2 CAT 6 F/UTP + 3 Power

	Conductor		Insulation		
POWER 3×1.5	Material: Bare Cu (Copper)		Material: PVC (Polyvinyl chloride)		
	Section: 1.5 mm ²		Diameter: 2.60 mm		
	AWG: 15		Colour: Blue, Brown, Yellow/Green.		
	Composition: 27×0.25				
	Conductor		Insulation		
Digital AUDIO	Material: Bare Cu (Copper)		Material: Cellular PE (Polyethylene)		
	Section: 0.22 mm ²		Diameter: 1.45 mm		
	AWG: 24		Colour: Red and Black		
	Composition: 7×0.2				
	Twisted				
	Composition: 2 Conductors + 1 Drainage				
	Approx. Step: 51 mm				
	Overall Shield				
	Drainage	Material: CuSn (Tinned Copper)		Shield	Material: Aluminium-Polyester foil
		Section: 0.22 mm ²			Coverage: 100%
	AWG: 24				
	Composition: 7 ×0.2				
Overall Sheath					
Material: PVC (Polyvinyl chloride)					
Diameter: 3.70 mm					
Colour: Grey					

Tech Data

REF.: 11986

CABLE AND FIBRE OPTIC

HYBRID

1 Digital AUDIO + 2 CAT 6 F/UTP + 3 Power

	Overall Sheath
GENERAL	<p>Material: PVC-NBR (1) Polyvinyl chloride and an acrylonitrile butadiene copolymer, exceptional resistance to ozone.</p> <p>Diameter: 17.80 mm</p> <p>Colour: BLACK</p>

Mechanical Characteristics

Approx. Weight	310 Kg/Km
Temperature	-20/+70°C
Min. Bend Radius	237 mm

Tech Data

REF.: 11986

CABLE AND FIBRE OPTIC

HYBRID

1 Digital AUDIO + 2 CAT 6 F/UTP + 3 Power

Electrical Characteristics

CAT 6 F/UTP	Max. dc Resistance @ 20°C	95.0 Ω/Km				
	Nom. Mutual Capacity @ 1KHz	56 nF/Km				
	Impedance @ 100 MHz	100 ±5Ω				
	Propagation Speed	70%				
	Propagation Delay @ 10MHz	518 ns max.				
	Delay Skew @ 100m	40 ns max.				
	Frequency MHz	Attenuation dB/100m	NEXT dB/100 m	RL dB	PSNEXT dB/100 m	ACR dB/100m
	1	2.1	75.3	20.0	72.3	73.2
	4	3.8	66.3	23.0	63.3	62.5
	8	5.3	61.8	24.5	58.8	56.4
	10	5.9	60.3	25.0	57.3	54.4
	16	7.5	57.2	25.0	54.2	49.8
	25	9.4	54.3	24.3	51.3	45.0
	31.25	10.5	52.9	23.6	49.9	42.4
	62.5	15.0	48.4	21.5	45.4	33.4
100	19.0	45.3	20.1	42.3	26.2	
155	24.1	42.4	18.8	39.4	18.4	
200	27.6	40.8	18.0	37.8	13.2	
250	31.1	39.3	17.3	36.3	8.3	
300	34.3	38.1	17.3	35.1	3.9	
350	37.2	37.1	17.3	34.1	-	
400	40.1	36.3	17.3	33.3	-	
500	45.3	34.8	17.3	31.8	-	
POWER	Max. Resistance at 20°C	13.4 Ω/Km				
Digital AUDIO	Max. Resistance at 20°C (Conductor)	82.3 Ω/Km				
	Max. Resistance at 20°C (Ind. Shield)	62.6 Ω/Km				
	Nominal Capacitance	41 pF/m				
	Impedance	110 Ω				
	Propagation Speed	80 %				
	Insulation Resistance	>1000 MΩ×Km				
	Test Voltage	1500 V				

Tech Data

REF.: 11986

CABLE AND FIBRE OPTIC

HYBRID

1 Digital AUDIO + 2 CAT 6 F/UTP + 3 Power

Environment

Heavy Materials Content

Directive 2002/95/CE

Applicable Regulation

Conductor Material

UNE-EN 60228

Insulating Material

UNE-EN 50290

Multicore and symmetrical pair/quad cables for digital communications. Symmetrical pair/quad cables with transmission characteristics up to 600 MHz.

IEC 61156-5

Information technology: Generic cabling for customer premises

ISO/IEC 11801 -EN 50173

Multi-element metallic cables used in analogue and digital communication and control - Part 10-1: Sectional specification for screened cables characterized up to 500 MHz - Horizontal floor and building backbone cables

EN 50288-10-1



Web: www.pinanson.eu
@: pinanson@pinanson.eu

PINANSON S.L
Avda. Constitucion, 40. Mondejar (Guadalajara). SPAIN.
Telephone: +34 949 385 444 · Fax: +34 949 385 643

Review: March 2023

For possible changes due to continuous product improvements; Pinanson S.L. reserves the right to change the showed data in this document without notice. The data presented here correspond to the time it was compiled.