

REF : 555P4SH

UFTP patch 100 Ω - 10G Ethernet – tested up to 555 MHz - LSZH



1. **Conductor** : Stranded bare copper wire AWG26/7
2. **Isulation** : Cellular polyethylene (Skin Foam Skin)
3. **Individual pair shield** : Aluminium/Polyester foil; Coverage : 115%
4. **Drain wire**: Stranded tinned copper wire AWG27/7
5. **Outer Jacket** : LSZH – Light grey RAL 7035 – Ø5,9mm

Application

PIMF (Pair In Metallic foil) patch cable used for the manufacturing of Category 6a patch cord.

Its performances exceed the limits imposed by the current standards thanks to its excellent high-speed and error free transmission up to 555 Mhz. It constitutes an investment for the future network applications.

This cable is used for transmission of digital and analogue voice, Data and video signals.

It can transmit :

- ISDN - RNIS
- TOKEN RING 4/16 Mbits
- 100 VG-AnyLAN
- TP-PMD/TP-DDI
- ATM 155, 622 Mbits/s and 1,2Gbits
- ETHERNET 10 Base T
- ETHERNET 100 Base Tx, 100 Base T4
- ETHERNET 1000 Base T – GIGABIT Ethernet
- IEEE 802.3 af – PoE (Power Over Ethernet) and future PoE+
- 10 GIGABIT ETHERNET (Up to 100 m)

Standards

CABLE	IEC 61156-5
SYSTEM	ISO 11801 / CLASSE Ea

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Electrical properties	Mechanical characteristics
Conductors electrical résistance : 145 Ω / Km	Fire behaviour : IEC 60332-1 & NF C 32070 C2
Mutual capacitance: 42 pF / m	Operating temperature : - 20° C / + 70°C
Characteristic impedance: 100 Ω	Minimum bending radius: 8 x cable diameter
Velocity of propagation : 80%	Conform to RoHS directive

Transmission performances @20°C

Frequency (MHZ)	ATTENUATION (dB/100m)	NEXT (dB)	ELFLEXT (dB)	RETURN LOSS (dB)
	maxi	mini	mini	mini
4	5.7	65.3	55.8	23,0
10	8.9	59.3	47.8	25,0
16	11.2	56.2	43.7	25,0
20	12.6	54.8	41.8	25,0
31.25	15.8	51.9	37.9	23,3
62.5	22.5	47.4	31.9	20,7
100	28.7	44.3	27.8	19,0
200	41.4	39.8	21.8	16,4
250	46.6	38.0	19.8	15,6
300	51.4	37.1	19.8	15,6
400	60.1	35.3	19.8	15,6
500	67.9	33.8	19.8	15,6

Values from IEC 61156-5 / Cat6A

Ordering information

Reference	555P4SH
Pairs number	4
AWG	26 (stranded :7 wires)
Diameter (mm)	5.9
Weight (Kg/Km)	42
Conditioning	1000m drum