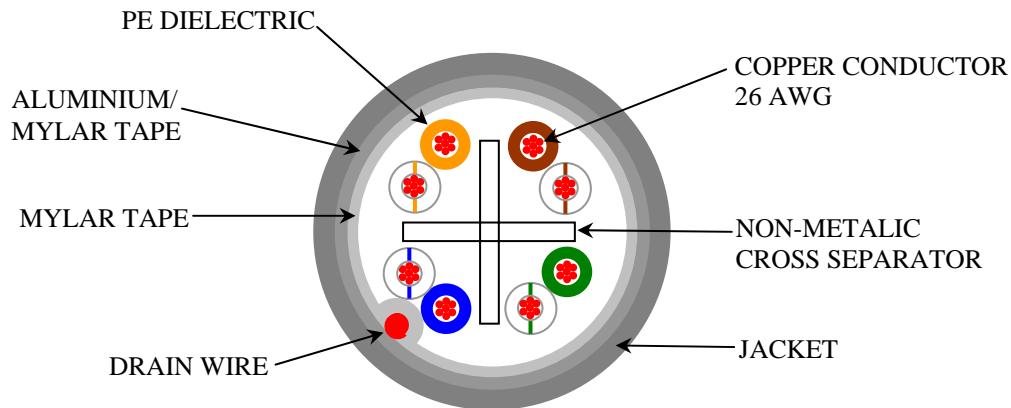


FICHE PRODUIT

Câble multibrins F/UTP Cat6 100Ω **DECELAN[®]**

Référence: [TC500FTPA6OH](#)



Caractéristiques techniques

Standards : UL444 Communications cables, UL AWM Style Page 2835 UL Subject 758, UL 62 and UL 1581
ANSI/TIA 568B.2 ; IEC 61156-5 ; ISO/IEC 11801 ; EN50173

Construction

Conductor	AWG26 (Stranded anneal copper wire)
Insulation	Polyethylene, Ø 0.90 ±0.05 mm
Twisting	4 Twisted pairs Twisted pair color code: 1: orange / white-orange 2: blue / white-blue 3: brown / white-brown 4: green / white-green
Cable lay up	4 pair with different pitches stranded in circular form
Shielding	1.Mylar tape as buffer layer. 2.Mylar tape laminated with aluminium foil as shield, with foil facing inward. 3.Drain wire (24AWG) placed between mylar tape and aluminium-foil-laminated mylar tape.
Outer jacket	LSOH
Outer diameter	5.9mm ±0.2mm
Jacket color	Grey RAL 7035
Marking	DECELAN CAT6 250MHz PATCH FTP 4PR AWG26 LSOH IEC/ISO 11801 EN50173 EIA/TIA 568A/B, week/year, Metric length

Electrical Properties (at 20°C ±5°C)

DC resistance	Max. 14.9Ω / 100m at 20°C
Resistance unbalance	Max. 5% at 20°C
Insulation resistance (500V)	Min. 5000 MΩ/Km at 20°C
Mutual capacitance	Nom. 5.1 nf / 100m at 1KHz
Capacitance unbalance (pair to ground)	Max. 160 pf / 100m at 1 KHz
Nominal velocity of propagation	66%
Test voltage (DC, 1 min)	1 KV / 1 min, without any breakdown

Transmission characteristics acc. To IEC 61156-5 Cat6 (at 20°C)

Frequency (MHz)	Impedance (Ω)	Atten. (dB)	NEXT (dB)	PSNEXT (dB)	ACR (dB)	PSACR (dB)	ELFEXT (dB)
1	100±15	3.0	74.3	72.3	71.3	69.3	67.8
4		5.7	65.3	63.3	59.6	57.6	55.8
8		8.0	60.8	58.8	52.8	50.8	49.7
10		8.9	59.3	57.3	50.4	48.4	47.8
16		11.3	56.3	54.3	45.0	43.0	43.7
20		12.7	54.8	52.8	42.1	40.1	41.8
25		14.3	53.4	51.4	39.1	37.1	39.8
31.25		16.0	51.9	49.9	35.9	33.9	37.9
62.5		23.1	47.4	45.4	24.3	22.3	31.9
100		29.7	44.3	42.3	14.6	12.6	27.8
200		43.5	39.8	37.8			21.8
250		49.3	38.4	36.4			19.8

Frequency (MHz)	ELFEXT (dB)	Return Loss (dB)	Propagation Delay (ns)	Delay Skew (ns)
1	64.8	20.0	570.0	45
4	52.8	23.0	552.0	
8	46.7	24.5	546.7	
10	44.8	25.0	545.4	
16	40.7	25.0	543.0	
20	38.8	25.0	542.1	
25	36.8	24.2	541.2	
31.25	34.9	23.3	540.4	
62.5	28.9	20.7	535.9	
100	24.8	19.0	537.6	
200	18.8	16.4	536.6	
250	16.8	15.6	536.3	

Conditionnement

Touret de 500 M

Produit RoHS