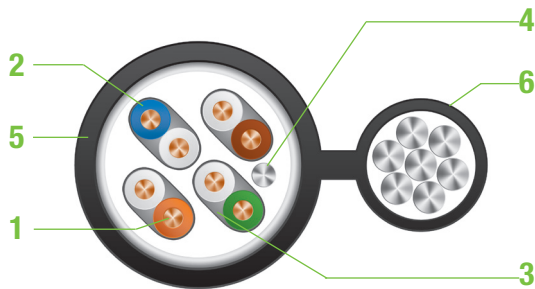




5254PEAM

U/FTP CAT6A 4 pairs aerial cable 525MHz PE sheath



- 1. **Conductor** : solid bare copper AWG23
- 2. **Insulation** : PE Skin Foam Skin
- 3. **Individual shield** : Aluminum/Polyester foil - coverage $\geq 100\%$
- 4. **Drain wire** : Solid tinned copper
- 5. **External sheath** : PE - Black RAL 9005
- 6. **Messenger** : Steel wires 7x0.8mm

DESCRIPTIONS

The 5254PEAM cable is equipped with a messenger (composed with 7 steel wires) to allow an aerial application. His external jacket made in PE offer a high resistance to UV and water. the 5254PEAM, CAT6A U/FTP cable is the perfect solution for all the aerial outside link.

Its performances exceed the limits required by current standards thanks to its excellent high-speed and error free transmission up to 525 Mhz.

APPLICATIONS

| | |
|----------------------------------|--------------------------------|
| Ethernet Base T up to 10Gbits/s | TOKEN RING 4/16 MBITS |
| ISDN | ATM 155, 622Mbits/s & 1.2Gbits |
| IEEE 802.3 af /at : PoE and PoE+ | |

STANDARDS

| | |
|---------------|--------------------------------|
| CABLE | IEC 61156-5 CAT6a |
| SYSTEM | ISO / IEC 11801 Ed2.2 Class Ea |

ELECTRICAL PROPERTIES

| | |
|----------------------------------|---------------------|
| Max linear electrical resistance | 95 Ω /Km |
| Mutual capacity (nom) | 45 pF/m |
| Characteristic impedance | 100 +/- 15 Ω |
| Nominal Velocity Propagation | 79% |



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ENVIRONMENTAL PROPERTIES

| | |
|------------------------|--------------------|
| CPR Level | Fca |
| Operating Temperature | -20°C / +70°C |
| Minimum bending radius | 8 x cable diameter |

Compliant to RoHS

TRANSMISSION PERFORMANCES @20°C

(* standard : values from IEC 61156-5

| Freq (Mhz) | Attenuation | | NEXT (dB) | | PS NEXT (dB) | | ACR-F (dB) | | PS ACR-F | | RL (dB) | |
|------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|
| | standard (*) | typical value | standard (*) | typical value | standard (*) | typical value | standard (*) | typical value | standard (*) | typical value | standard (*) | typical value |
| 4 | 3.8 | 3.7 | 66.3 | 67 | 63.3 | 64 | 55.9 | 66 | 52.9 | 63 | 23.0 | 25 |
| 10 | 5.9 | 5.8 | 60.3 | 62 | 57.3 | 59 | 48 | 63 | 45 | 60 | 25.0 | 27 |
| 16 | 7.5 | 7.3 | 57.2 | 59 | 54.2 | 56 | 43.9 | 62 | 40.9 | 59 | 25.0 | 27 |
| 25 | 9.4 | 9.2 | 54.3 | 56 | 51.3 | 53 | 40 | 57 | 37 | 54 | 24.3 | 27 |
| 31.25 | 10.5 | 10 | 52.9 | 55 | 49.9 | 52 | 37.9 | 52 | 35.1 | 49 | 23.6 | 25 |
| 100 | 19.1 | 18.8 | 45.3 | 47 | 42.3 | 44 | 28 | 44 | 25 | 41 | 20.1 | 22 |
| 200 | 27.6 | 27 | 40.8 | 43 | 37.8 | 40 | 22 | 35 | 19 | 32 | 18.0 | 20 |
| 250 | 31.1 | 30 | 39.3 | 42 | 36.3 | 39 | 20 | 29 | 17 | 26 | 17.3 | 19 |
| 300 | 34.3 | 34 | 38.1 | 40 | 35.1 | 37 | 18.4 | 27 | 15.4 | 24 | 17.3 | 19 |
| 400 | 40.0 | 39 | 36.3 | 38 | 33.3 | 35 | 16 | 26 | 13 | 23 | 17.3 | 18 |
| 500 | 45.3 | 44.8 | 34.8 | 37 | 31.8 | 34 | 14 | 26 | 11 | 23 | 17.3 | 18 |
| 525 | NA | 45.0 | NA | 36 | NA | 33 | NA | 22 | NA | 19 | NA | 17 |

ORDERING INFORMATION

| CABLE 4 PAIRS | | | |
|---------------|--|-------------------|-----------|
| P/N | DESCRIPTION | EXTERNAL DIAMETER | PACKAGING |
| 5254PEAM | CAT6A AERIAL CABLE U/FTP 4 PAIRS PE JACKET | 7.3 mm | DRUM 500M |