

5254PEAM

**CAT6A U/FTP 1x4P - 525 MHz - Aerial  
cable PE Fca 500m drum**



## DESCRIPTION

Its performance exceeds the CAT6A limits imposed by the cabling standards thanks to an adapted construction and a shielding quality that ensures a high transmission rate with a low error rate even at high frequency, up to 525 MHz.



## ADVANTAGES

- Tested up to 525 MHz
- Aerial application thanks to a strong messenger
- Outdoor aerial link Cat6A



## CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	525xPEAMyyyy
Core gauge	AWG23
Assembly type	Pairs
Outer Sheath Material	PE
Color	Black RAL 9005
Nom. diameter of the outer sheath (mm)	7.3
Ground drain presence	No
Shielding type	U/FTP
Insulation Color Code	Blue and White blue or White - Orange and White orange or White - Green and White green or White - Brown and White brown or White
Minimum Insulation Diameter (mm)	1,22
Maximum Insulation Diameter (mm)	1,26
Nominal insulation diameter (mm)	1,24

## ELECTRICAL CHARACTERISTICS

Loop resistance	154
Minimum insulation resistance	> 5000 MΩ x km
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω/Km)	77
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

## TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	75
Delay skew	< 30
Unbalance resistance	< 2
Propagation speed (%)	78
Segregation Class	C
Performance Category	Category 6A
Data Transmission Standard	EIA/TIA 568-C.2 Cat6A, EN 50173-1: 2011 Classe Ea, ISO 11801 Ed.3 Classe Ea
Characteristic Impedance (Ohms)	100
Conductor/Shield Capacitance	1,6 nF/km
Conductor/Conductor Capacitance	45 nF/km

## MECHANICAL CHARACTERISTICS

Bending Radius in Fixed Installation	8 x Ø ext
Bending Radius in Mobile Installation	15 x Ø ext

## ENVIRONMENTAL CHARACTERISTIC

CPR classification	Fca
Fire behaviour	IEC 60332-1
RoHS Compliance	Conforme à la directive RoHS
Component Standard	IEC 61156-5 Cat6A

## ADDITIONAL INFORMATION

Product Packaging	Drum of 500m
Weight (Kg)	0.08