

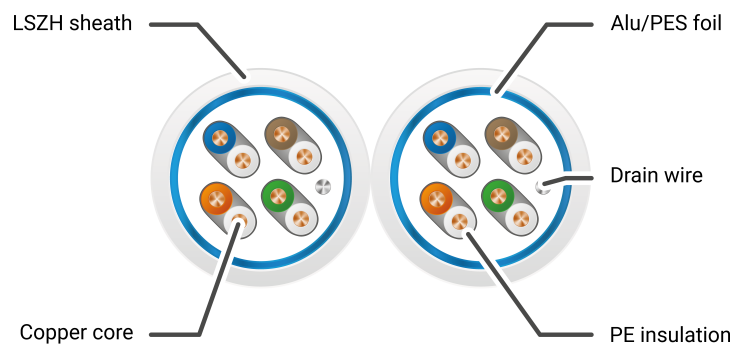
F5008SHW5

**CAT6A F/FTP 2x4P LSZH Dca Cable -
Drum of 500m**



DESCRIPTION

The F500xSHW cable is used in shielded cabling solutions for horizontal or vertical configurations. It features a high-quality shielded construction that ensures high data throughput with a low error rate. The F/FTP construction with coverage exceeding 100% provides excellent EMC. In addition, its white jacket allows a discreet installation.



ADVANTAGES

- White cable for discrete installation
- Good EMC thanks a double shielding F/FTP
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	F500xSHWy
Core gauge	AWG23
Assembly type	Pairs
Shielding description	Aluminium polyester tape
Outer Sheath Material	LSZH
Color	White RAL 9010
Nom. diameter of the outer sheath (mm)	7.1
Ground drain presence	No
Shielding type	F/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)	1,19
Maximum Insulation Diameter (mm)	1,32
Nominal insulation diameter (mm)	1,29

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)	85
Delay skew	< 30
Unbalance resistance	< 2
Propagation speed (%)	79
Segregation Class	D
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

Updated: 1/02/2026

This document is confidential and is the property of ADALTRA. ADALTRA holds the copyright, and the document must not be copied or modified in any form, in whole or in part, without the prior written permission of ADALTRA. The specifications contained in this document are non-contractual and may be subject to change without prior notice.

MECHANICAL CHARACTERISTICS

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

ENVIRONMENTAL CHARACTERISTIC

CPR classification	Dca s2, d2, a2
Fire behaviour	IEC 60332-1
Smoke emission	IEC 61034-1 & -2
Gas emission	IEC60754-2
RoHS Compliance	Conforme à la directive RoHS
Component Standard	IEC 61156-5 Cat6A

ADDITIONAL INFORMATION

Product Packaging	Drum of 500m
Weight (Kg)	0.1