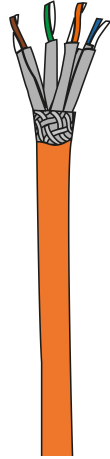


Cat 6A S/FTP PVC Cable



Category 6_A S/FTP PVC cables are designed to deliver a robust standards based performance ensuring optimum bandwidth for today's high speed network applications. The cable is designed to support horizontal networking applications over distances up to 100 meters.

Each Category 6_A S/FTP PVC exceed the minimum specified performance for Category 6_A S/FTP cables and support all CLASS EA applications as defined within ISO/IEC 11801 (2nd Edition): 2010 such as 10GBASE-T (Gigabit Ethernet), 2G FCBASE-T, 4G FCBASE-T and 1000BASE-T (Gigabit Ethernet).

FEATURES/BENEFITS

- RoHS compliant 2002/95/EC
- REACH / SVHC compliant regulation (EC) No. 1907/2006

Pair color code:

- Pair 1: White/Blue, and Blue
- Pair 2: White/Orange, and Orange
- Pair 3: White/Green, and Green
- Pair 4: White/Brown, and Brown

SPECIFICATIONS

CONSTRUCTION

Conductor	23AWG solid copper
Insulation	Expanded Polyethylene
Cable	8 insulated wires formed into 4 pairs. Each pair is individually screened with an aluminised polyester tape. (The aluminium side of the tape faces outwards and is in continuous contact with the tinned copper drain wire).
Screen	An aluminised polyester tape screen applied with a 15% minimum overlap (The aluminium side is in continuous contact with the tinned copper drain wire.)
Sheath Material	Polyvinyl Chloride (PVC)
Sheath Color	Orange ;
Diameter	7.1mm (± 0.3mm)

Electrical properties at 20°C

Nom. mutual capacitance	≤5.6 nF/100m (@1kHz)
Pair to ground capacitance unbalance	≤1600 pF/1Km
Nominal velocity of propagation	74%
Max. delay skew	45 ns/100m
Max. conductor DC resistance	95 Ω/km (@ 20 °C)
Max. conductor resistance unbalance	2% (@ 20 °C)
Min. insulation resistance	5000 MΩ·m
Test voltage (d.c. for 1 minute) Conductor/Conductor	1000V
Max. operating voltage - UL	300 V

Mechanical Characteristics Temperature Range

Operation	-20°C to + 60°C
Installation	0°C to +50°C
Storage	-20°C to + 70°C

Maximum Tensile Force

During Installation	100N
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Minimum Bend Radii

Installation	8 x Cable Diameter
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Transmission line performance at 20°C

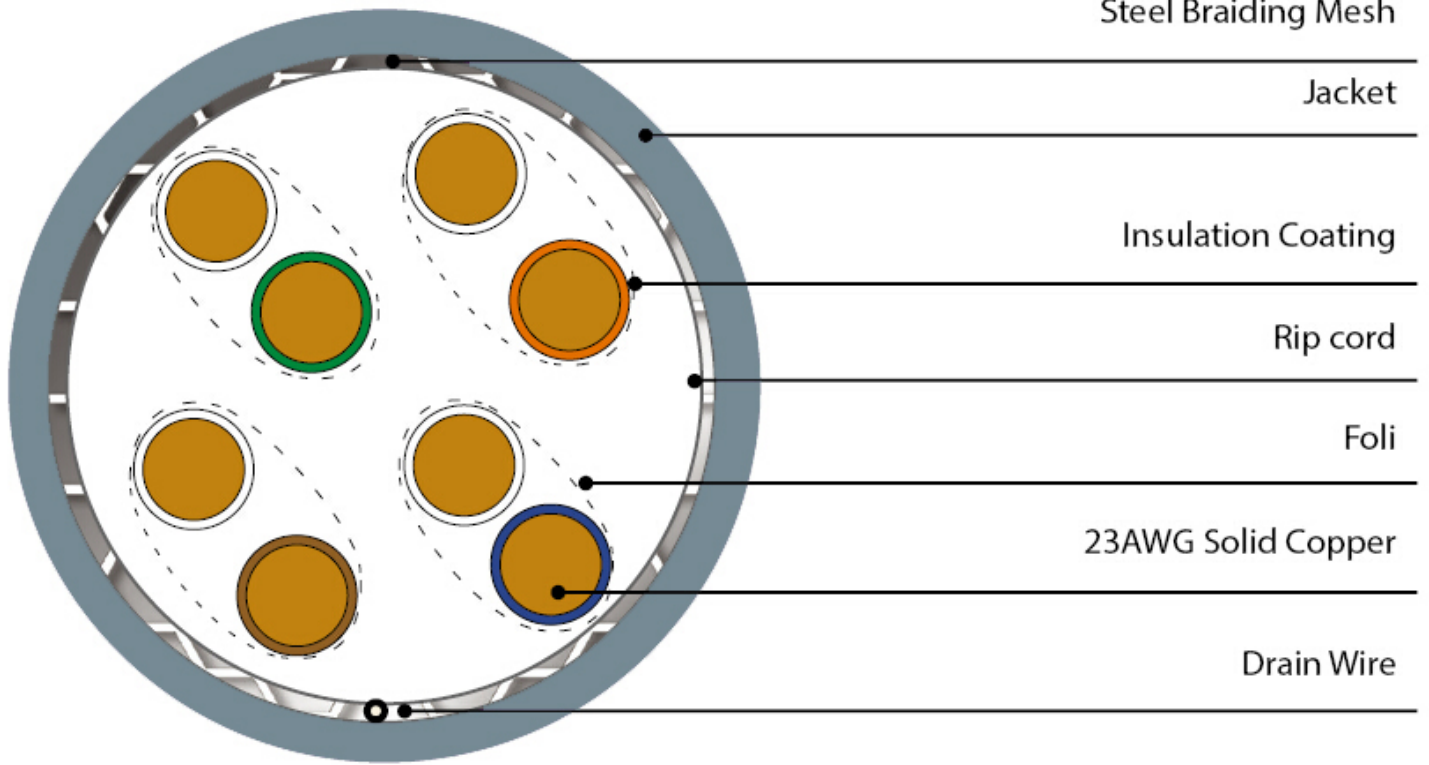
FREQUENCY MHZ	ATTENUATION DB/100M	NEXT DB	ACR MIN DB	PSNEXT MIN DB	ELFEXT MIN DB	PSELFEXT MIN DB	PSANEXT MIN DB	RETURN LOSS
1	1.8	95.0	93.2	95.0	68.0	65.0	-	-
4	3.8	66.3	62.5	66.3	58.0	55.0	76.5	23
10	5.9	60.3	54.4	60.3	50.0	47.0	72.5	25
20	8.4	55.8	47.4	55.8	44.0	41.0	69.5	25
62.5	15.0	48.4	33.4	48.4	34.1	31.1	64.5	21.5
100	19.1	45.3	26.2	45.3	30.0	27.0	62.5	20.1
250	31.1	29.3	8.2	39.3	22.0	19.0	56.5	17.3
500	45.3	34.8	-10.5	34.8	16.0	13.0	52.0	17.3

The Category 6_A S/FTP PVC cable is manufactured and tested directly in accordance with the major industry standards:

- ISO/IEC 11801 2nd Edition
- ANSI/TIA 568-C.2
- EN 50173
- IEC 61156-5
- EN 50288-3-1

Category 6_A S/FTP PVC cables exceed the requirements of:

- IEC 60332-1-2
- IEC 60754-2
- IEC 61034



ORDERING INFORMATION

DESCRIPTION	PART NO.	Jacket Color
Category 6A S/FTP 4P 23AWG Solid CM PVC TIA/EIA568 ISO/IEC11801 compliant 305mtr reel Orange	UCC531111	Orange
Category 6A S/FTP 4P 23AWG Solid CM PVC TIA/EIA568 ISO/IEC11801 compliant 500mtr reel Orange	UCC531112	Orange

*Note: If the part number you previously had is not shown please contact the customer service team.



SCAN QR FOR PRODUCT PAGE

FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.aflhyperscale.com/product/cat-6a-s-ftp-pvc-cable>
- AFL Hyperscale reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of January 07, 2020

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