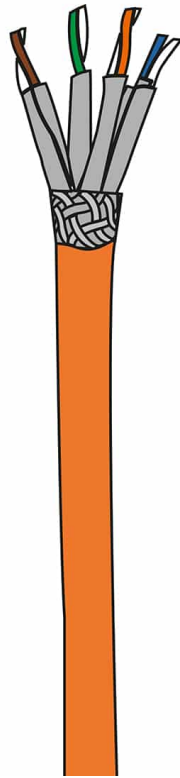


Cat 6A S/FTP CPR Cca Cable



Description

Category 6_A S/FTP CPR Cca 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 CPR Cca 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 and Benefits

- RoHS compliant 2002/95/EC
- REACH / SVHC compliant regulation (EC) No. 1907/2006
- CPR Cca-s1a,d0,a1

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

Green

Brown

Specifications

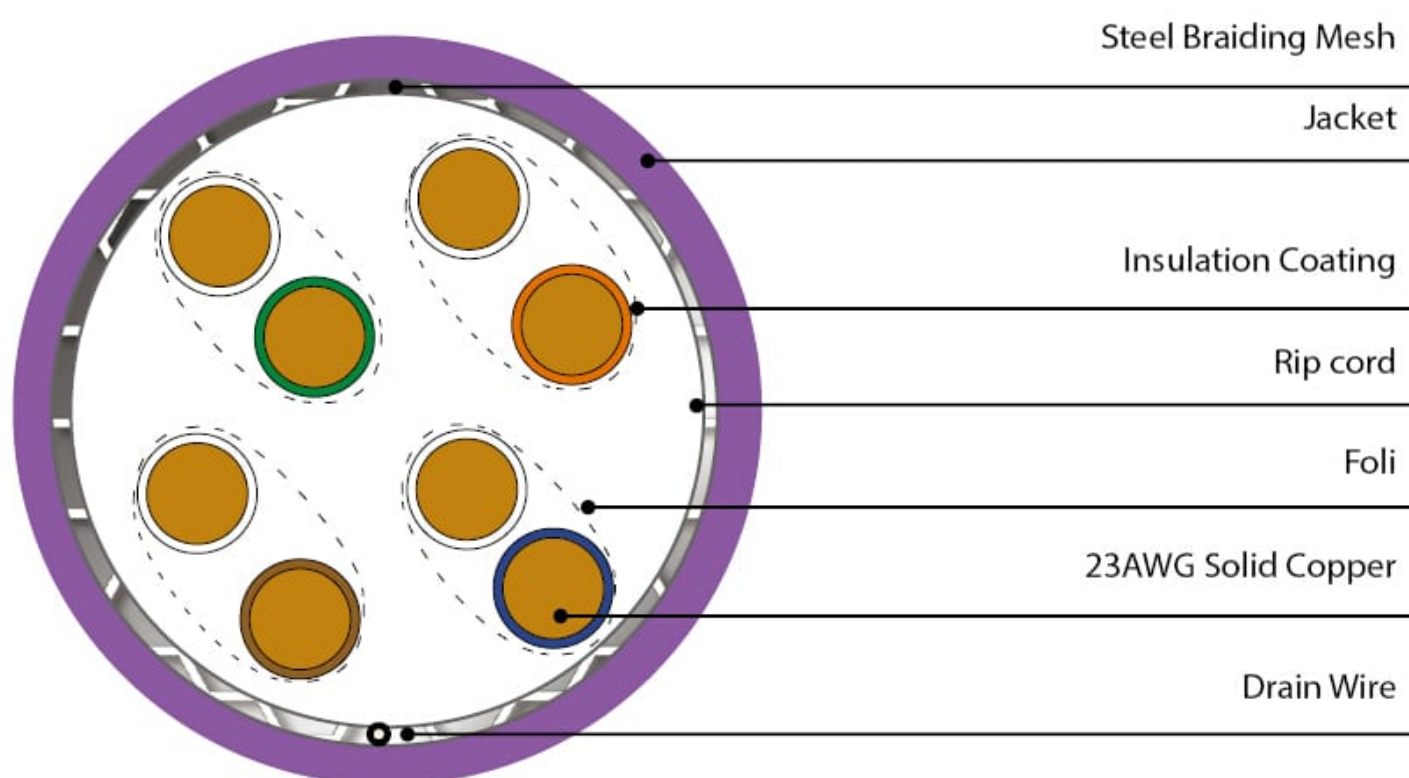
CONSTRUCTION	
Conductor	23AWG solid copper
Insulation	Expanded Polyethylene
Cable	8 insulated wires formed into 4 pairs. Each pair is individually screened with an aluminised polyester tape. (The aluminium side of the tape faces outwards and is in continuous contact with the tinned copper drain wire).
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	Low Smoke Zero Halogen (LSZH) CPR Rated Cca
Sheath Color	Orange
Diameter	7.2mm (± 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	61%
Max. delay skew	45 ns/100m
Max. conductor DC resistance	95 Ω/km (@ 20 °C)
Max. conductor resistance unbalance	5% (@ 20 °C)
Min. insulation resistance	5000 MΩ·m
Max. operating voltage - UL	80V
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	110N
Minimum Bend Radii	
Installation	8 x Cable Diameter

Transmission line performance at 20°C

FREQUENCY MHZ	ATTENUATION DB/100M	NEXT DB	PSNEXT MIN DB	ELFEXT MIN DB	PSELFEXT MIN DB	RETURN LOSS
1	---	75.3	72.3	68.0	65.0	20
4	3.8	66.3	63.3	56.0	53.0	23
10	5.93	60.3	57.3	48.0	45.0	25

FREQUENCY MHZ	ATTENUATION DB/100M	NEXT DB	PSNEXT MIN DB	ELFEXT MIN DB	PSELFEXT MIN DB	RETURN LOSS
20	8.38	55.8	52.8	42.0	39.0	25
62.5	14.99	48.4	45.4	32.1	29.1	21.5
100	19.14	45.3	42.3	28.0	25.0	20.1
250	31.07	39.3	36.3	20.0	17.0	17.3
500	45.26	34.8	31.8	14.0	11.0	17.3

Technical Drawing



Ordering Information

DESCRIPTION	PART NO.	Jacket Color	CPR Rate
AFL Hyperscale® Category 6A S/FTP CPR Cca 4P 23AWG Solid TIA/EIA568 ISO/IEC11801 compliant 500mtr reel Orange	UCC531432	Orange	Cca-s1a-d0-a1

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

Additional Information

The Category 6_A S/FTP LSZH 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
- EN50288-10-1

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

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

Regional Availability

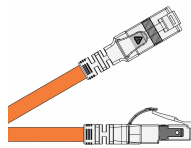
EMEA

+44 1908 441 144
emeasales@aflhyperscale.com

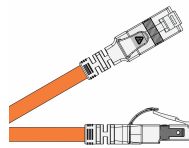
Related Products



Cat 6A S/FTP PVC Cable



Cat 6A S/FTP Shielded LSZH
Patch Cords



Cat 6A S/FTP Shielded PVC CM
Patch Cords



Cat 6A STP 1RU 24port Tooless
Keystone Jack Patch Panel with
Cable Manager



CAT6A STP 1RU 24port Angled
Tooless Keystone Jack Patch
Panel with Cable Manager



CAT6A STP Keystone Jack
Punch Down



CAT6A STP Keystone Jack Tool
free