

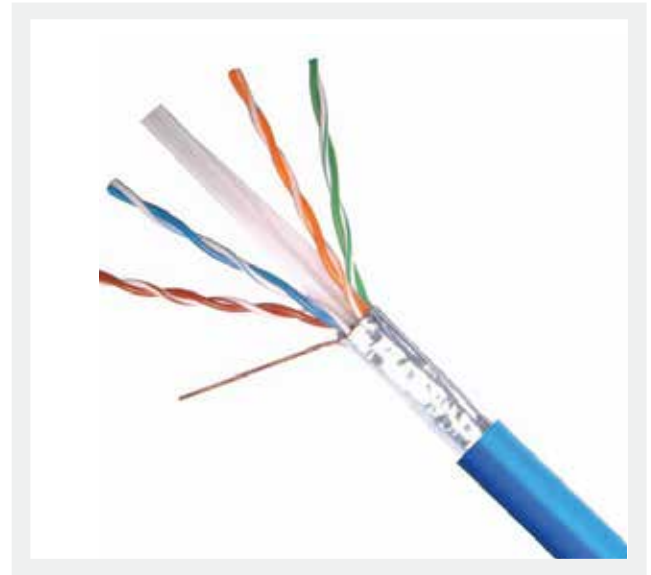


STRUCTURED
CABLING PARTNER

Category 6A / U/FTP 4 Pair 23AWG Cable

OPTIPLUS Category 6A U/FTP (Foil Twisted Pair)

4 Pair 23AWG cables are suitable for risky environment. Optiplus U/FTP cables provide extra protection from external noise sources with excellent quality performance. Category 6A U/FTP Cable is intended for high speed data applications up to 500MHz including 10GBASE-T 10Gb/s, 1000BASE-T 1Gb/s, 1000BASE-TX 1Gb/s, ATM 155Mb/s 155Mb/s.



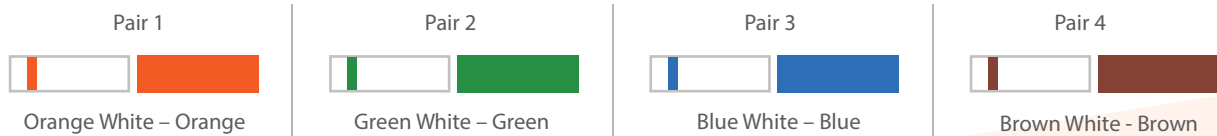
Standards

- ANSI/TIA/EIA 568 C.2CAT 6A
- ISO/IEC 11801 Class EA
- ISO/IEC 61156-5
- IEC 60754
- IEC 61034
- IEC 60332-3C
- EN50173

Key Features:

- Tested up to 500MHz
- Individual pair shielding for EMI protection
- Supports 10 Gigabit Ethernet Application
- Minimized alien cross talk
- Outstanding signal isolation
- Standard packing will be 305 meter easy pull out box

Colour Code:



Cable Construction:

Conductor Material	23 AWG solid Bare Copper
Conductor Construction	Solid
Conductor Diameter	0.57mm± 0.05mm
Insulation Material	Foamed POLYETHYLENE
Insulation Diameter	1.38mm± 0.03mm
Foil	Aluminum Laminated Plastic Foil
Pairs Count	4 nos
Jacket Thickness (mm)	0.60mm ± 0.05mm
Jacket Material	PVC, Low Smoke Zero Halogen (LSZH), Plenum

Electrical and Mechanical Characteristics:

- Impedance – 100 Ω ± 25%
- Frequency - 1 MHz to 500 MHz
- DC Resistance - 82 Ω /Km
- Capacitance P-G - 330 pF/100m nom
- Propagation Delay Skew - 25 ns/100m Max
- Bend Radius - 58.8mm
- Operating Temperature -20°C ~ 70°C
- Installation Temperature - 0°C to 50°C
- Maximum Tensile Strength - 100 N

Transmission Characteristics:

Freq. (MHz)	Attenuation (dB) max.	NEXT (dB) min.	PS NEXT (dB) min.	ACR dB/ 100m Min	PS-ACR dB/ 100m Min	ELFEXT (dB) min.	PSELFEXT (dB) min.	Return Loss (dB) min.
1	1.8	100	97	98	95	105	105	-
4	3.4	100	97	97	94	105	102	27
10	5.4	100	97	95	92	97	94	30
20	7.7	100	97	92	89	91	88	30
31.25	9.6	100	97	90	87	87	84	30
100	17.4	100	97	83	80	77	74	30
155.5	21.9	94	91	72	69	73	70	26
200	25	92	89	67	64	71	68	25
250	28.1	90	87	62	59	69	66	24
300	30.9	89	86	58	55	67	64	24
500	43	86	83	43	40	61	58	22

Ordering Information:

PART NUMBER	DESCRIPTION	LENGTH
OP-C6A110223/PVC	Category6A U/FTP 4 Pair Cable PVC	305 mtr
OP-C6A110223/LSZH	Category6A U/FTP 4 Pair Cable LSZH	305 mtr
OP-C6A110223/PLM	Category6A U/FTP 4 Pair Cable Plenum	305 mtr



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