



STRUCTURED
CABLING PARTNER

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

OPTIPLUS Category 6A S/FTP (Foil Twisted Pair-Shielded)

4 Pair 23AWG cable is tested up to 625MHz, the guaranteed performance of this cable meets the ISO/IEC 11801 and EN50288 requirements. This cable is intended for high speed applications 10BASE-T, 155Mb/s ATM, 4/16 Mb/s Token Ring. It is capable of carrying high bit-rate signaling for extended distances in backbone & horizontal applications.

Standards

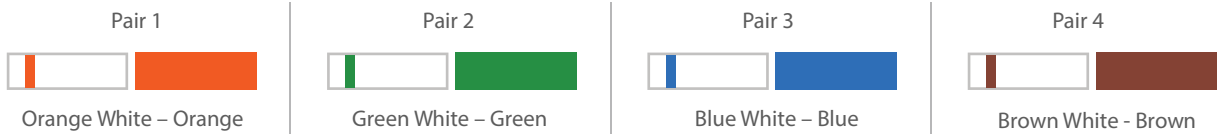
- ANSI/TIA/EIA 568 C.2CAT 6A
- ISO/IEC 11801 Class EA
- ISO/IEC 61156-5
- EN 50288-10
- EN 5173-1
- EN 50174



Key Features:

- Tested up to 625MHz
- Outstanding electrical characteristics
- Each twisted pair is shielded with metal foil (PIMF)
- Lower Bit Error, increases network efficiency and uptime
- 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
Insulation Material	POLYETHYLENE
Insulation Diameter	1.39mm ± 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)

Electrical and Mechanical Characteristics:

- Impedance - $100 \Omega \pm 25\%$
- Frequency - 1 MHz to 625 MHz
- DC Resistance - $82 \Omega / \text{Km}$
- Capacitance P-G - $330 \text{ pF}/100\text{m nom}$
- Propagation Delay Skew - $25 \text{ ns}/100\text{m Max}$
- Bend Radius - 59.7mm
- Operating Temperature - $-20^\circ\text{C} \sim 70^\circ\text{C}$
- 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	2.1	83	80	93	90	78	75	20.5
4	3.4	83	80	93	90	78	75	23.5
10	5.9	83	80	93	90	74	71	25.5
16	7.5	83	80	93	90	69.9	66.9	25.5
31.25	10.5	83	80	90	87	64.1	61.1	24.1
62	15	80.5	77.5	86	83	58.1	55.1	22
100	19.1	77.4	74.5	83	80	54	51	20.6
250	25.4	71.4	68.4	70	67	46	43	17.8
500	31.1	69.9	63.9	57	54	40	37	17.8

Ordering Information:

PART NUMBER	DESCRIPTION	LENGTH
OP-C6A110423/PVC	Category6A S/FTP 4 Pair Cable PVC	305 mtr
OP-C6A110423/LSZH	Category6A S/FTP 4 Pair Cable LSZH	305 mtr



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