

# RA-L6aC-S-WS

CAT6a Cable



## Product overview

Cat6a adds better material specifications on the basis of CAT6, allowing the frequency of 500MHz to pass through, and the maximum speed can reach 10Gbps. It supports TIA / eia-568.2-d telecommunication standard and is applicable to data center and high standard application scenarios.

This product aggregates the following many CAT6A cables:

- UTP Cat6a Lan Cable
- UTP CAT6A Network Cable
- UTP CAT6A Ethernet Cable
- FTP Cat6a Lan Cable
- FTP Cat6a Network Cable
- FTP Cat6a Ethernet Cable
- SFTP Cat6a Lan Cable
- SFTP Cat6a Network Cable
- SFTP Cat6a Ethernet Cable

Among them, UTP Cat6a Lan Cable/UTP CAT6A Network Cable/UTP Cat6a Ethernet Cable is the most basic style without any shielding layer.

FTP Cat6a Lan Cable/FTP CAT6A Network Cable/FTP Cat6a Ethernet Cable adds an additional aluminum foil shielding layer to the above UTP series cables, and the interference signals of the outside world help the cable more stable transmission.

SFTP Cat6a Lan Cable/SFTP CAT6A Network Cable/SFTP CAT6A Ethernet Cable adds additional weaving networks in the above FTP series cables. This is more stable than FTP and more quality transmission. SFTP is the best shielding method.

## Product Specification

Conductor	Material	BC ( Customized: CCA / CCC )
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	Diameter	0.57 mm ± 0.02 mm
	Wire Gauge	23 AWG
Insulation	Material	HDPE
	Diameter	1.02 mm ± 0.1 mm
Separator	Material	PE
	Specification	4.5 mm ± 0.2mm
	Thickness	0.4 mm ± 0.02mm
Rip Cord	Material	Polyester
	Specification	500 D
Shield	Material	Foil
	Overlap rate	≥ 10 %
Braid	Material	CU / CCA / TC
	Coverage	80% - 98%
Jacket	Material	PVC / PE / PVC+PE / LSZH
	Diameter	6.4 mm ± 0.3 mm

## Packing

Single package	Easy pull box
Package length	305m (Optional custom length)
Outer package	Carton box (2×Easy pull box)
Waterproof packaging	Optional

## Test Data

Tensile Strength	Sheath ≥ 13.5 MPa, insulation ≥ 16 MPa
Elongation at Break	Sheath ≥ 150%, insulation ≥ 300%
Installation Bending Radius	>8 times of outer cable diameter
Conductor Elongation at Break	≥ 10%
Shrinkage of Insulation	≤ 5%
Low Temperature Bending Test	No cracking
Heat Shock Test	No cracking
Operating Temperature	- 20°C to +60°C (-4°F to 140°F)
Storage Temperature Humidity	- 10°C to +40°C (14°F to 104°F), <60% (RH)

## Certifications and Standards

Vertical Fire Propagation Test	Comply with IEC 60332-1-2
Certification	CPR Eca
Executive Standards	Q/DXJ 067-2019, EN50575-2014