

# RA-L6C-S-WS

SFTP CAT6 Cable



## Product overview

SFTP CAN CABLE/SFTP CAT6 Network Cable/SFTP CAT6 Ethernet Cable is upgraded based on FTP Cat6 cables. In addition to the existing aluminum foil shielding layer, a layer of weaving network has also been added to achieve the best stable signal transmission capacity.

## Product Specification

Conductor	Material	BC ( Customized: CCA / CCC )
	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 (Customized optional: PE/PVC+PE/LSZH)
	Diameter	6.4 mm ± 0.3 mm

## Packing

Single package	Easy pull box
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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

## Technical test (dB/100m)

Frequency(MHZ)	1	4	10	20	62.5	100	200	350	550
Impedance(Ω)	100 ± 15							100 ± 20	
Return Loss(dB)	20	23	25	25	22	21	21	16	15
Attenuation	1.9	3.7	5.9	8.4	15.4	19.8	29.0	39.8	51.8
NEXT	74.3	65.3	59.3	54.8	47.4	44.3	39.8	36.2	33.2
ACR-F	67.8	55.8	47.8	41.8	31.9	27.8	21.8	16.9	12.9
PS NEXT	72.3	63.3	57.3	52.8	45.4	42.3	37.8	34.2	31.2
PS ACR-F	64.8	57.7	44.8	38.7	28.8	24.8	18.7	13.9	9.9
Propagation	0.6c								