

RA-L5C-S-WS

SFTP CAT5e Cable



Product overview

SFTP CAT5e Lan Cable/SFTP CAT5e Network Cable/SFTP CAT5e Ethernet Cable adds a layer of high-coverage braided network on the basis of the aluminum foil shielding layer of FTP CAT5e, so that SFTP CAT5e Lan Cable/SFTP CAT5e Network Cable/SFTP CAT5e Ethernet Cable The transmission is more stable, and the return loss and crosstalk are greatly reduced. It is the highest quality variety in the CAT5e series.

Product Specification

Conductor	Material	BC (Customized: CCA / CCC)
	Diameter	0.51 mm ± 0.02 mm
	Wire Gauge	24 AWG
Insulation	Material	HDPE
	Diameter	0.92 mm ± 0.1 mm
Rip Cord	Material	Polyester
	Specification	500 D
Shield	Material	Foil
	Coverage	≥ 10%
Braid	Material	BU / CCA / TC
	Coverage	≥ 90%
Jacket	Material	PVC (Customized: PE/PVC+PE/LSZH)
	Diameter	5.4 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

Technical test (dB/100m)

Frequency(MHZ)	1	4	10	25	61.5	100	200	310	350
Impedance(Ω)	100 ± 15						100 ± 22		
Return Loss(dB)	20	23	25	24	22	20	19	18	17
Attenuation	2.0	4.1	6.5	10.4	17.0	22.0	32.4	41.8	44.9
NEXT	65.3	56.3	50.3	44.3	38.4	35.3	310	28.0	27.0
ACR-F	63.8	51.7	43.8	35.8	27.8	23.8	18.0	14.0	13.0
PS NEXT	62.3	53.3	47.3	41.3	35.4	32.3	28.0	25.0	24.0
PS ACR-F	60.8	48.7	40.8	32.8	24.8	20.8	15.0	11.0	10.0
Propagation	0.65c								