

RA-L3C-WS

UTP Cat3 Cable



Product overview

Network cable CAT3/Ethernet cable CAT3/Lan Cable CAT3 has only 2 pairs of conductors, that is, 4 conductors. It can be used in the picture data transmission of IP Camera Cable, and can also be used in the telephone line. Network Cable CAT3/Ethernet Cable CAT3/Lan Cable CAT3 supports 10/100 BASE-T transmission performance.

Product Specification

Conductor	Material	BC
	Diameter	0.42 mm ± 0.02 mm
	Wire Gauge	25.5 AWG
Insulation	Material	HDPE
	Diameter	0.75 mm ± 0.1 mm
Rip Cord	Material	Polyester
	Specification	500 D
Jacket	Material	PVC
	Diameter	4.0 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	31.0	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								