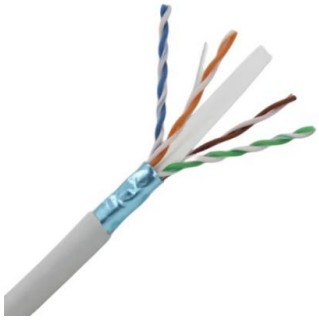
Zhejiang Etrolink Industrial Co., Ltd

ET-L6C-F-01

FTP CAT6 Cable



Product overview

FTP CAN CABLE/FTP CAT6 Network Cable/FTP CAT6 Ethernet Cable is upgraded based on the UTP CAT6 cable. The aluminum foil shielding layer is added to ensure that it has a more stable signal transmission capacity. Reduce the echo loss and stringing, and it is suitable for the use of the stability and requirements of the signal.

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 %
Jacket	Material	PVC (Customized optional: PE/PVC+PE/LSZH)
	Diameter	6.1 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	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								