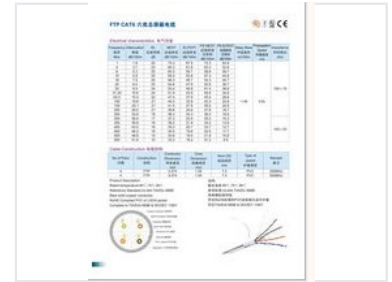


FTP CAT6 Communication Cable

This FTP CAT6 communication cable features electrical characteristics such as frequency, attenuation, NEXT, ELFEXT, PS-NEXT, PS-ELFEXT, delay skew, propagation delay, and impedance. The cable consists of 4 pairs of 23AWG conductors with a conductor diameter of 0.574 mm, core insulation diameter of 1.02 mm, a sheath thickness of 0.55 mm and an outer diameter of 6.2 mm.



Overview

High-Performance CAT6 Connectivity

This FTP CAT6 communication cable is engineered for robust horizontal distribution systems, supporting high-speed data transmission up to 10G Base-T. Designed for indoor environments, it features a high-quality bare solid copper conductor and is available with RoHS compliant PVC or LSZH jacketing. It adheres to strict international standards including ANSI/TIA/EIA-568C.2-2009, ensuring reliable performance for modern networking applications.

Physical Construction

Conductor Gauge	23AWG
Conductor Diameter	0.574 mm
Core Insulation Diameter	1.02 mm
Outer Diameter	6.2 mm
Sheath Thickness	0.55 mm
Number of Pairs	4

Technical Standards

Standards Compliance

ANSI/TIA/EIA-568C.2-2009 • GB/T8815-2008 • IEC60332-1-2:2004 • RoHS Compliant

Supported Applications

10Base-T, 100Base-TX, 1000Base-T, 1000Base-TX, 10G Base-T, ATM 155Mbit/s, ATM 622Mbit/s

Electrical Performance

Transmission Characteristics

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)
1	2.2	65.3
10	6.5	50.3
100	22	38.3
250	36.2	32.3
500	50.5	27.3