



### Cable Specification

Application	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T 10GBase-T standards: ANSI/TIA 568C: ISO/IEC 11801 2nd ed. IEC 61156-5 2nd ed.; EN 50173-1; EN 50288-10 RoHS2002/95/EC
Fire Rating	IEC 60332-1; IEC 60754-1; IEC 60754-2; IEC 61034
Conductor	Bare copper wire (AWG 23)
Insulation	Polyethylene, $\varnothing$ 1.45 mm
Drain Wire	Tinned copper
Shield Around Each Pair	Alu / polyester tape
Sheath	LSZH Ivory
Bending Radius	$\geq 35$ mm without load; $\geq 70$ mm with load
Temperature Range	Operation $-20^{\circ}\text{C}$ up to $+60^{\circ}\text{C}$ Installation $0^{\circ}\text{C}$ up to $+50^{\circ}\text{C}$
Outer Diameter	8.0 mm
Fire Load	674 MJ/km; 0.187 kWh/m
Weight	57 kg/km
Drum Weight (Loaded 500m)	32kg
Max Pulling Tension	78N

### Electrical Specification

DC Loop Resistance:	146.4 $\Omega$ /km
Resistance Unbalance	$\leq 2\%$
Insulation Resistance (500V)	$\geq 5000$ M $\Omega$ km
Capacitance Unbalance (pair to ground)	$\leq 1600$ pF/km
Characteristic Impedance @100 MHz	100 $\pm 5$ $\Omega$
Nominal Velocity of Propagation	Approx. 78%
Transfer Impedance (m $\Omega$ /m)	1MHz $\leq 50$ 10MHz $\leq 50$ 30MHz $\leq 70$ 100MHz $\leq 100$

### Ordering Information

Product Description	Part Number
CCS Category 6A U/FTP LSZH Solid Cable	001-003-003-06

Connectix Category 6A U/FTP Cable has been designed to provide the exceptional performance required to support extremely high speed applications, including 10-Gigabit Ethernet.

The individually shielded pairs ensure maximum transmission, free from the problems of NEXT and alien crosstalk. The sheath is a Low Smoke Zero Halogen (LSZH) material, as specified in many public buildings.

