

# Technical specification/ Data sheet

## LAN cable: Y/CAT6 FTP LSZH

Content of the Data Sheet									
Sheath Printing	TBD								
Customer No.		Customer Reference							
Category	F/UTP CAT6-4P-LSZH(Cca)								
Reference Standard	ISO/IEC11801 , TIA-568-C.2								
Conductor	Material	SOLID-Bare Copper							
	Nom.O.D.(mm)	0.585	up	+0.005					
			down	-0.005					
Insulation	Material	HDPE							
	Diameter	1.12±0.05 mm							
Filling	Plastic Separator : FRPE								
Screening Material	Mylar+ AL/Mylar								
Sheath	Thickness	0.60±0.1mm							
	External O.D.	7.4±0.4mm							
	Surface	Clean,Fraps,Satiation							
	Material	FR-LSZH(complies RoHS)							
	Color	TBD							
Surface Printing	Letter height	3.0±0.3mm							
	Color	Black							
	Print error & Space	≤±0.5%, 1m							
Core Color	1 White- Blue /Blue	2 White-Orange /Orange							
	3 White- Green /Green	4 White- Brown /Brown							
Packing	Wooden Tray & Carton								
Wooden Tray dimension	According to the requires								
Packing length	305±1.5m								
Rip-cord	Yes	Drain wire	Yes						
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0						
		Elongation (%)	≥100						
	Aging Period (°C×hrs)	100°C×24h×7d							
	After Aging	Tensile Strength (Mpa)	≥8.0						
		Elongation (%)	≥70						
		Cold bend (-20±2°C×4h) 15times cable O.D. No visible cracks							
Electrical Characteristics (20°C)	1.0-250.0MHz	Impedance (Ω)	100±15						
	1.0-250.0MHz	Delay Skew (ns/100m)	≤45						
		Unbalanced-to-ground capacitance (pF/100m) max	330						
		DC Resistance (Ω/100m) max	9.38						
		DC Conductor Resistance Unbalance (%) max	5.0						
Reaction to fire Classification: Cca,s1a,d1,a1									
Version	A/01	Date	2020-02-28	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua