

# TECHNICAL DATA SHEET

## S/FTP 4Pairs cable-category 6A-FR LSZH Sheath

P/N: G2505-100

Content of the Data Sheet																																																																																
Sheath Printing	TBD																																																																															
Customer No.		Customer Reference																																																																														
Category	S/FTP-CAT6A-4P-LSZH-TC30(Cca)																																																																															
Reference Standard	ISO/IEC11801、TIA/-568-C.2																																																																															
Conductor	Material	SOLID-Bare Copper																																																																														
	Nom.O.D.(mm)	0.560	up	+0.005																																																																												
			down	-0.005																																																																												
Insulation	Material	Skin-foam-skin PE																																																																														
	Diameter	1.330±0.05 mm																																																																														
Inner Screening Material	Al/Mylar	Drain wire	No																																																																													
Outer Screening Material	Tinned copper 0.10mm	Coverage	≥30%																																																																													
Sheath	Thickness	0.55±0.05 mm																																																																														
	External O.D.	7.5±0.5 mm																																																																														
	Surface	Clean																																																																														
	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	2 White/Orange																																																																														
	3 White/Green	4 White/Brown																																																																														
Packing	Wooden Tray																																																																															
Wooden Tray dimension	According to the requires																																																																															
Packing length	305±1.5m																																																																															
Rip-cord	Yes																																																																															
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0																																																																													
		Elongation (%)	≥125																																																																													
	Aging Period (°C×hrs)	100°C×24h×7d																																																																														
	After Aging	Tensile Strength (Mpa)	≥8.0																																																																													
		Elongation (%)	≥100																																																																													
Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks																																																																															
Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100±15																																																																													
		250.0-500.0MHz	100±22																																																																													
	1.0-500.0MHz	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																																																																														
<b>Technical Performance (100m):</b>																																																																																
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<b>Reaction to fire Classification: Cca,s1,d1,a1</b>																																																																																
Version	A/01	Date	2017-08-25	Revised By	Caihangle	Audited By	Nidonghua	Approved	Nidonghua																																																																							