

TECHNICAL DATA SHEET

Cable reference : FTP Cat6 LSOH 4Pr 23AWG
Issue Date : 22 August 2016

Category	Cat.6 FTP (Solid) LSOH				Marking (every metre, ink navy blue) --BUILDING ENERGY MANAGEMENT CABLE-- FTP Cat6 LSOH 4Pr 23AWG SOLID ISO/IEC 11801 AND TIA/EIA 568C.2 0016 (P----) www.bms-systems.co.uk							
Test Standard	TIA/EIA-568-B.ISO/IEC 11801											
1.Conductor	Material	Solid Bare Copper										
	Nom. O.D.(mm)	1×0.574	Up	+0.002								
			Down	-0.010								
2.Insulation	Material	HDPE										
	Diameter	1.07 (+/-0.13)mm×2×4										
Colour	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown											
3.X-Filler	Material	PE			Max. Conductor DC Resistance at 20°C (Ω/100M) 8.0	RL(dB)						
	Colour	Transparent				1.0 MHZ	20.0					
4.Drain	Material	Stranded Tinned Copper			Min. Insulation 500V DC Resistance at 20°C (MΩ*M) 200 (MΩ*M)	4.0 MHZ		23.0				
	Nom. O.D.(mm)	7×0.20	Up	+0.001		8.0 MHZ		24.50				
				Down	-0.008	10.0 MHZ		25.0				
5.Shield	Material	Al-foil shield			Rated Temperature(°C) 80	16.0 MHZ		25.0				
	Colour	White				20.0 MHZ		25.0				
6.Jacket	External O.D.	6.50(+/-0.25)mm			Rated Voltage (V) 300	25.0 MHZ		24.30				
	Surface	Clean and smooth				31.25 MHZ		23.60				
	Material	LSZH			Impedance(Ω) 1-100HZ: 100(+/-15)Ω 200-250HZ: 100(+/-22)Ω		62.5 MHZ	21.50				
	Colour	Orange			100.0 MNZ		20.10					
					Attenuation at 20°C (-dB/100m) (±15%)		200 MHZ	18.0				
					250 MHZ		17.30					
Sheath Physical Properties					NEXT(dB) Min.							
					1.0 MHZ		2.0		1.0 MHZ		74.30	
					4.0 MHZ		3.80		4.0 MHZ		65.30	
					8.0 MHZ		5.30		8.0 MHZ		60.80	
					10.0 MHZ		6.0		10.0 MHZ		59.30	
					16.0 MHZ		7.60		16.0 MHZ		56.20	
					20.0 MHZ		8.50		20.0 MHZ		54.80	
					25.0 MHZ		9.50		25.0 MHZ		53.30	
					31.25 MHZ		10.70		31.25 MHZ		51.90	
					62.50 MHZ		15.40		62.50 MHZ		47.40	
					100.0 MHZ		19.80		100.0 MHZ		44.30	
					200.0 MHZ		29.0		200.0 MHZ		39.80	
					250.0 MHZ		32.80		250.0 MHZ		38.30	



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