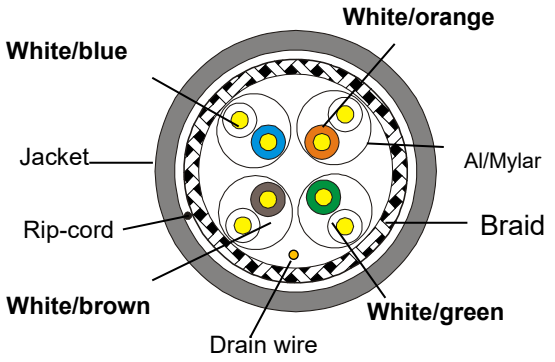
CAT
Yleiskaapelointiverkot

Tekniset tiedot

S/FTP 4Pairs cable-category 7-FR LSZH Sheath

Content of the Data Sheet					
Sheath Printing	TBD				
Customer No.		Customer Reference			
Category	S/FTP-CAT7-4P-LSZH-AM30(Dca-s2,d2,a1)				
Reference Standard	ISO/IEC 61156-5;EN 50288-4				
Conductor	Material	SOLID-Bare Copper			
	Nom.O.D.(mm)	0.560	up	+0.005	
			down	-0.005	
Insulation	Material	Skin-foam-skin PE			
	Diameter	1.290±0.05 mm			
Inner Screening Material	Al/Mylar	Drain wire	Yes		
Outer Screening Material	Aluminum-magnesium alloy	Coverage	≥30%		
Sheath	Thickness	0.55±0.1 mm			
	External O.D.	7.3±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	Drum				
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 (℃×hrs) 100℃×24h×7d				
	After Aging Tensile Strength (Mpa) ≥8.0 Elongation (%) ≥100				
	Cold bend (-20±2℃×4h) 8×Cable O.D.，No visible cracks				
Electrical Characteristics (20℃)	Impedance(Ω) : (1-100MHz) 100±15Ω (100-250MHz) 100±18Ω (250-600MHz) 100±25Ω				
	Delay Skew (ns/100m) ≤25				
	Velocity of Propagation (%) 74				
	unbalanced-to-ground capacitance (pf/100m) max 330				
	DC Resistance (Ω/100m) max 9.38				
	DC Conductor Resistance Unbalanc (%) max 2.0				



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1.0	20.0	——	78.0	570.0
4.0	23.0	3.74	78.0	552.0
8.0	24.5	5.24	78.0	546.7
10.0	25.0	5.86	78.0	545.4
16.0	25.0	7.41	78.0	543.0
20.0	25.0	8.29	78.0	542.0
25.0	24.3	9.29	78.0	541.2
31.25	23.6	10.41	78.0	540.4
62.5	21.5	14.88	75.5	538.6
100	20.1	19.02	72.4	537.6
150	18.9	23.56	69.8	536.9
200	18.0	27.47	67.9	536.5
250	17.3	30.97	66.4	536.3
300	17.3	34.19	65.2	536.1
600	17.3	50.10	60.7	535.5

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	75.0	78.0	75.0
4	75.0	78.0	75.0
8	75.0	75.9	72.9
10	75.0	74.0	71.0
16	75.0	69.9	66.9
20	75.0	68.0	65.0
25	75.0	66.0	63.0
31.25	75.0	64.1	61.1
62.5	72.5	58.1	55.1
100	69.4	54.0	51.0
150	66.8	50.2	47.2
200	64.9	48.0	45.0
250	63.4	46.0	43.0
300	62.2	44.5	41.5
600	57.7	38.4	35.4

Reaction to fire Classification：Dca-s2,d2,a1					**CPR Part no. G2602-163**				
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