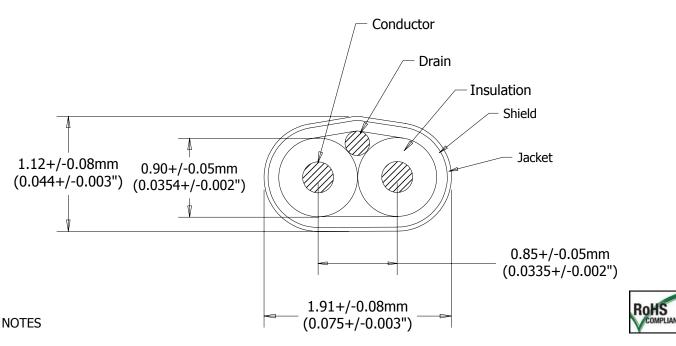


TITLE	PART No.	REV	PAGE
Shielded Pair, 28 AWG, 90 Ohm Twinax	1000680085	В	1 of 1



Construction:

Conductor: 28 AWG, 0.32mm (0.0126") Solid SPC

Insulation: Fluoropolymer

Drain Wire: 30 AWG, 0.25mm (0.010") Solid SPC

Shield: Aluminum / Polyester, 0.023mm (0.0009") Thickness Ref. Jacket: Polyester, Heat Sealed, 0.018mm (0.0007") Thickness Ref.

Electrical Characteristics: (Based on a 4m Length)

Differential Impedance: 90+/-2 Ohms Propagation Delay: 4.8 ns/m Ref. Intra-Pair Skew: 40 ps/4m Max.

Intra-Pair Skew: $\left(\frac{1}{N} \sum_{N} \left(\frac{\text{phase}\left(\frac{\text{S21} - \text{S23}}{\text{S43} - \text{S41}}\right)}{\text{f.o.36}}\right)^{2}\right) \le 14 \text{ps}$

Phase unit: degree

f: Frequency in GHz where $1GHz \le f \le 21 GHz$

N: Number of frequency points: (f)

SCD21

f < 30 GHz: 20 dB Min.

Mechanical Characteristics:

Min. Bend Radius: 5X OD - Minor Axis

	based on 4111 rest Length			
		SDD21		
	Freq (GHz)	Nom.	Max.	
		dB	dB	
	2.50	7.61	8.08	
	5.00	11.01	11.73	
	7.50	13.62	14.57	
	10.00	15.98	17.28	
	12.89	18.50	20.13	
	15.00	20.34	21.97	
	17.50	22.40	23.96	
	20.00	24.42	26.16	
	22.50	26.65	28.92	
	25.00	28.91	31.72	
	27.50	31.21	34.55	
	30.00	32.63	36.50	

Based on 4m Test Length

Print Legend (Drain Wire Side): MOLEX TEMP-FLEX(R) <LOCATION CODE: US OR PHL OR GDL> TWINMAX(TM) 28 AWG 1000680085 --- E61522 <UL CODE: -MPI for PHL, <blank> for US, -MDM for GDL> STYLE 22058 cRUus AWM I A/B 105C 30V FT1 VW-1 --- <TRACEABILITY>

Their also access to the a	Rev	DCR	Description	App'd	Date
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