

**5.3: Selection Guide**

**Shielded Multi-Pair Computer Cables  
RS-232, RS-422, and RS-485 Applications\***

Specifications		Cable Series**																	
		9804	8132	9829	8332	9501	8102	9729	8162	9990	9841	9680	93020	8302	8777	9873	9773	8132FO	1419A
Conductor Size: (AWG)	28	√	√															√	
	24			√	√	√	√	√	√	√	√								√
	22												√	√	√				
	20															√			
	18																√		
Page No.		5.26	5.27	5.30	5.29	5.11	5.31	5.35	5.44	5.37	5.28	5.15	5.17	5.32	5.40	5.42	5.42	5.14	5.15
Insulation:	S-R PVC				√	√									√				
	Polyethylene			√						√	√	√				√	√		
	Polypropylene	√													√				
	Datalene®†		√				√	√	√									√	√
Shield:	Overall Foil					√						√	√					√	√
	Individual Foil						√		√	√					√	√	√		
	Overall Foil/Braid	√	√	√	√		√		√	√	√			√					
	Braid Coverage	90%	65%	65%	65%		65%		65%		90%			65%					
Drain Wire: (see key below)		O	O	O	X	O	O	Δ	Δ	Δ	O	O	O	X	Δ	Δ	Δ	O	O
No. of Pairs Available:	1					√					√								
	2	√	√	√	√	√	√	√	√		√		√	√				√	√
	3	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	4	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	5	√	√	√	√	√	√	√		√				√				√	√
	6			√	√	√	√	√	√	√		√	√	√	√	√	√		√
	7	√		√	√	√	√		√					√					
	8		√			√	√		√					√					√
	9	√		√		√	√	√		√		√	√		√	√	√		
	10			√	√	√	√		√					√					
	11							√							√	√			
	12	√		√				√		√					√	√	√		
	12.5		√		√		√						√		√			√	√
	13	√																	
	15				√	√	√	√	√				√	√	√	√	√		√
	17							√							√				
	18	√	√	√	√		√		√					√					√
	19					√		√					√		√				
25	√	√	√	√	√	√		√	√				√					√	
27							√					√		√					
31	√														√				
37																			
50					√														
Capacitance †† (pF/ft.)		15.5	11.0	15.5	30.0	30.0	12.5	12.5	12.5	25.0	12.8	15.5	35.0	35.0	30.0	30.0	30.0	11.0	13.0

S-R = Semi-rigid

\*Refer to specifications for recommendations.

\*\*All cables are UL-listed.

†Foam high density polyethylene.

††Capacitance may vary on some cables.

∅Standard PVC Insulation, solid conductors.

**Drain Wire Key:**

O = Drain wire overall.

Δ = Drain wire each pair.

X = No drain wire.