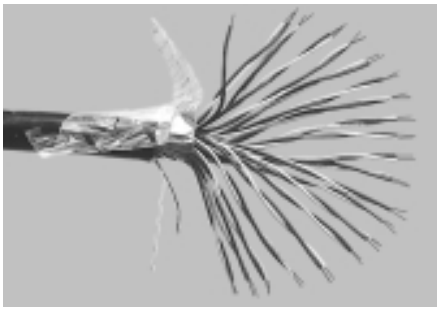
SERV-RITE Wire and Cable

PVC Insulated Multi-Pair Extension Wire with Individual and Overall Shield

Series 1000



Temp.	Resistance Properties		
	Moisture	Chemical	Abrasion
220˚F (105˚C)	Excellent	Good	Good

Series 1000 is the classification for our extensive family of individually shielded and isolated multipair cables. Series 1000 is also available in UL® listings for PLTC (Power Limited Tray Cable) applications. Series 1000 cables are manufactured the same as Series 900 cables except each pair is spirally wrapped with an aluminized polyester tape and a drain wire. This isolates each pair of conductors in the cable. This eliminates both internal and external "noise" that can exist in a circuit.

Construction Combinations

1 2 3 4 5 6 7 8
/ / 1 0

1. ASTM E 230 Calibrations
E J K S T

2-3. B & S Gauge
24 20 18 16

4. Conductor Type/Tolerance
5 = Extension grade, solid wire, standard tolerance
6 = Extension grade, solid wire, special tolerance
7 = Extension grade, stranded wire, standard tolerance
8 = Extension grade, stranded wire, special tolerance

5-6. Series 1000

7-8. Pair Counts
02 04 06 08 10 12 16 20 24

These individual pairs are then cabled together and finished the same way as the Series 900 cables. These cables are ideal for computerized data communications.

For higher temperature versions of Series 1000, please contact our factory. Special multipair constructions, using FEP, Tefzel®, polyimide and fiberglass can be manufactured to meet specific requirements or specifications in quantities of not less than 1000 feet (305 m). Specifications should accompany any request for quotation.

Performance Capabilities

- Continuous temperature rating: 220°F (105°C)

Features and Benefits

- **Extruded PVC single conductor and overall insulation** for excellent protection.
- **Available as UL® listed PLTC wire and cable.**
- **Aluminum/polyester shield with drain wire** provides "noise" protection.
- **ASTM E 230 color code** for easy identification.
- **Excellent moisture resistance, good abrasion and chemical resistance.**

Wire Specifications

No. of Pairs	B & S Gauge	Nominal Conductor Size		Nominal Insulation Thickness				Nominal Overall Size		Approximate Shipping Weight	
				Conductor		Overall					
		inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)	lbs/1000 ft	(kg/km)
2	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.27)	0.305	(7.75)	77	(114.7)
4	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.27)	0.385	(9.78)	104	(155.0)
6	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.27)	0.445	(11.30)	131	(195.2)
8	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.27)	0.490	(12.45)	160	(238.4)
10	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.52)	0.560	(14.22)	189	(281.6)
12	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.52)	0.610	(15.49)	218	(324.8)
16	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.52)	0.640	(16.26)	280	(417.2)
20	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.52)	0.710	(18.03)	342	(509.6)
24	20	0.032	(0.813)	0.015	(0.381)	0.050	(1.52)	0.805	(20.45)	404	(602.0)