1875 - 300 Volt, PVC, Multi Pair, Overall Shield, Served Wire Armor (SWA)

Description

- **Conductor**
  7-strand bare copper, Class B
- **Primary insulation**
  0.015 inch (0.4 mm) 105C FR-PVC
- **Number of conductors per group**
  2
- **Color code**
  Black and white
- **Overall shield**
  100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- **Inner and outer jacket**
  Black FR-PVC
- **Armor**
  Multiple strands of served galvanized steel wire (SWA)

Application

- UL listed as PLTC/ITC
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas
- NEC Article 725/727
- Served wire armor offers cut-through resistance and is suitable for vertical drops
- 300 volt rated insulation

Bending Radius

- 12 x d (d = overall diameter)

Cable Type

- Multiple pair overall shield

Other Options

- Manufactured in accordance with UL. Also available to ICEA, IEC, BS standards or customized configurations.
- Various metric and AWG size conductors
- Special color coding of insulation and jacket materials

The specifications listed above are subject to change without notice. In any change, the product's performance will remain the same, or be improved.

Electrical Properties	Units		Conductor Size							
			20 AWG / 0.5 mm²		16 AWG / 1.3 mm²		1.5 mm²		2.5 mm²	
Resistance [R]	Ω/Mft	Ω/km	10.5	34.4	4.1	13.5	3.6	11.8	2.3	7.5
Mutual Capacitance										
Type 1875	pF/ft	pF/m	31	102	36	118	37	121	32	105
L/R Ratio	μH/Ω		9		20		22		36	
Inductance [L]	μH/ft	μH/m	0.19	0.62	0.17	0.56	0.16	0.52	0.16	0.52

Part Number	Pairs	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 20 AWG / 0.5 mm²							
1875-00480	4	0.543	13.8	0.258	0.383	50	1.27
1875-00880	8	0.693	17.6	0.427	0.635	50	1.27
1875-01280	12	0.782	19.9	0.523	0.778	50	1.27
1875-01680	16	0.906	23.0	0.739	1.100	50	1.27
1875-02480	24	1.030	26.2	0.911	1.355	50	1.27
1875-03680	36	1.202	30.5	1.178	1.752	50	1.27
Conductor Size: 16 AWG / 1.3 mm²							
1875-60480	4	0.681	17.3	0.424	0.631	50	1.27
1875-60880	8	0.870	22.1	0.712	1.060	50	1.27
1875-61280	12	0.987	25.1	0.885	1.317	50	1.27
1875-61680	16	1.085	27.6	1.043	1.552	50	1.27
1875-62480	24	1.269	32.2	1.371	2.040	50	1.27
1875-63680	36	1.490	37.8	1.814	2.700	50	1.27
Conductor Size: 1.5 mm²							
1875-N0480	4	0.698	17.7	0.445	0.662	50	1.27
1875-N0880	8	0.893	22.7	0.750	1.117	50	1.27
1875-N1280	12	1.015	25.8	0.935	1.392	50	1.27
1875-N1680	16	1.137	28.9	1.138	1.693	50	1.27
1875-N2480	24	1.308	33.2	1.457	2.168	50	1.27
1875-N3680	36	1.539	39.1	1.949	2.900	50	1.27
Conductor Size: 2.5 mm²							
1875-P04A0	4	0.838	21.3	0.618	0.919	50	1.27
1875-P08A0	8	1.056	26.8	1.009	1.501	50	1.27
1875-P12A0	12	1.232	31.3	1.315	1.957	50	1.27
1875-P16A0	16	1.368	34.7	1.588	2.363	50	1.27
1875-P24A0	24	1.630	41.4	2.158	3.212	60	1.52
1875-P36A0	36	1.923	48.8	2.926	4.355	60	1.52

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