

300 Volt Thermoplastic PVC (Single Pair)

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation 15 mils (0.4 mm) for 20 - 16 AWG
20 mils (0.5 mm) for 14 AWG and larger, 105°C FR-PVC
- Number of conductors per group 2
- Color code Black and white
- Shield (Type 1852) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black FR-PVC

Application

- Signal transmission
- UL listed as PLTC/ITC
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas
- NEC Article 725/727
- 300 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

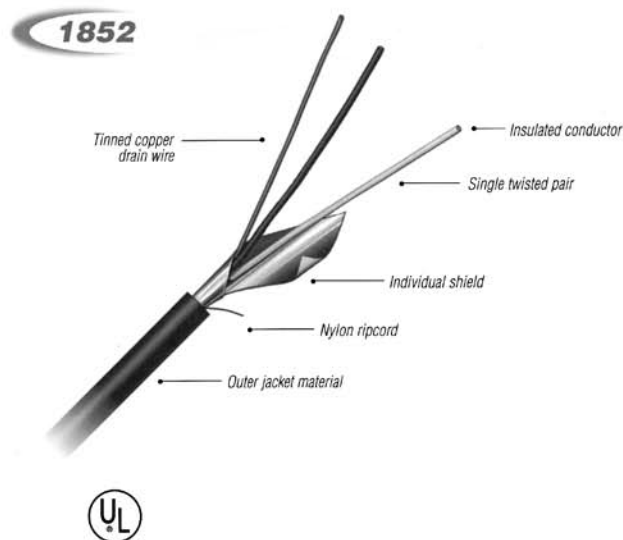
Cable Type

- 1850 – Single pair unshielded
- 1852 – Single pair shielded

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.

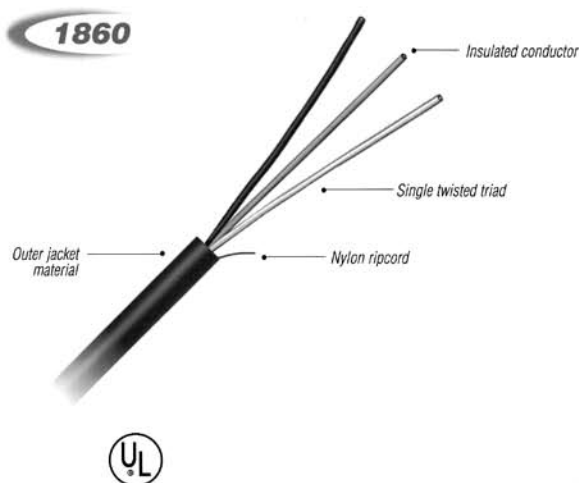


Electrical Properties	Units		Conductor Size									
			20 AWG / 0.5 mm ²		18 AWG / 0.8 mm ²		16 AWG / 1.3 mm ²		1.5 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	10.5	34.5	6.7	21.9	4.2	13.7	3.6	11.9	2.2	7.2
Mutual Capacitance												
Type 1850	pF/ft	pF/m	31	100	33	110	36	119	37	122	40	130
Type 1852	pF/ft	pF/m	49	160	56	184	64	210	67	218	76	251
L/R Ratio	μH/Ω	μH/Ω	9	9	13	13	20	20	22	22	35	35
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.18	0.58	0.17	0.54	0.16	0.53	0.15	0.5

Product Dimensions

Part Number	Pairs	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 20 AWG / 0.5 mm ²							
1850-0860R	1	0.231	5.9	0.026	0.039	35	0.89
1852-0860R	1	0.236	6.0	0.030	0.044	35	0.89
Conductor Size: 18 AWG / 0.82 mm ²							
1850-8860R	1	0.250	6.4	0.033	0.049	35	0.89
1852-8860R	1	0.255	6.5	0.037	0.055	35	0.89
Conductor Size: 16 AWG / 1.3 mm ²							
1850-6860R	1	0.274	7.0	0.042	0.062	35	0.89
1852-6860R	1	0.278	7.1	0.046	0.069	35	0.89
Conductor Size: 1.5 mm ²							
1850-N860R	1	0.282	7.2	0.045	0.068	35	0.89
1852-N860R	1	0.286	7.3	0.051	0.077	35	0.89
Conductor Size: 2.5 mm ²							
1850-P8A0R	1	0.328	8.3	0.065	0.097	40	1.02
1852-P8A0R	1	0.332	8.4	0.073	0.109	40	1.02

300 Volt Thermoplastic PVC (Single Triad)

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation 15 mils (0.4 mm) for 20 - 16 AWG
20 mils (0.5 mm) for 14 AWG and larger, 105°C FR-PVC
- Number of conductors per group 3
- Color code. Black, white and red
- Shield. (Type 1862) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black FR-PVC

Application

- Signal transmission
- UL listed as PLTC/ITC
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas
- NEC Article 725/727
- 300 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

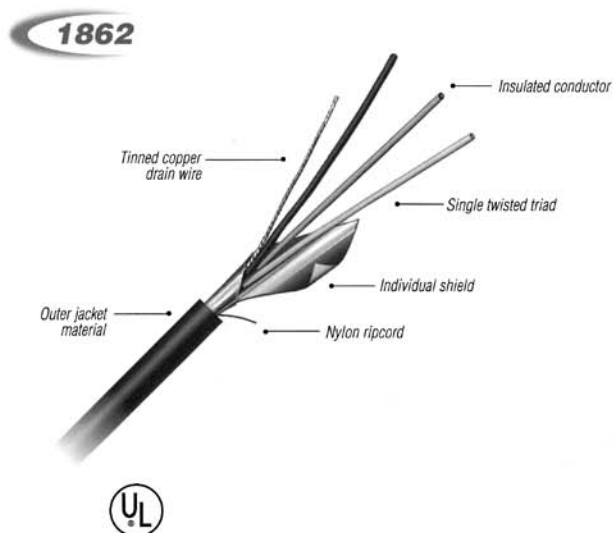
Cable Type

- 1860 – Single triad unshielded
- 1862 – Single triad shielded

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.



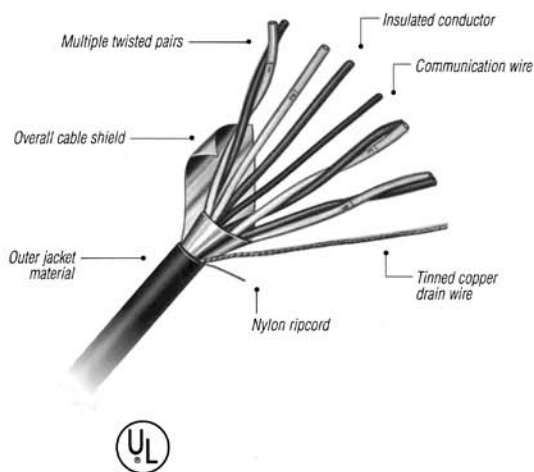
Electrical Properties	Units		Conductor Size									
			20 AWG / 0.5 mm ²		18 AWG / 0.8 mm ²		16 AWG / 1.3 mm ²		1.5 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	10.5	34.5	6.7	21.9	4.2	13.7	3.6	11.9	2.2	7.2
Mutual Capacitance												
Type 1860	pF/ft	pF/m	31	100	33	110	36	119	37	122	40	130
Type 1862	pF/ft	pF/m	49	160	56	184	64	210	67	218	76	251
L/R Ratio	μH/Ω	μH/Ω	9	9	13	13	20	20	22	22	35	35
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.18	0.58	0.17	0.54	0.16	0.53	0.15	0.5

Product Dimensions

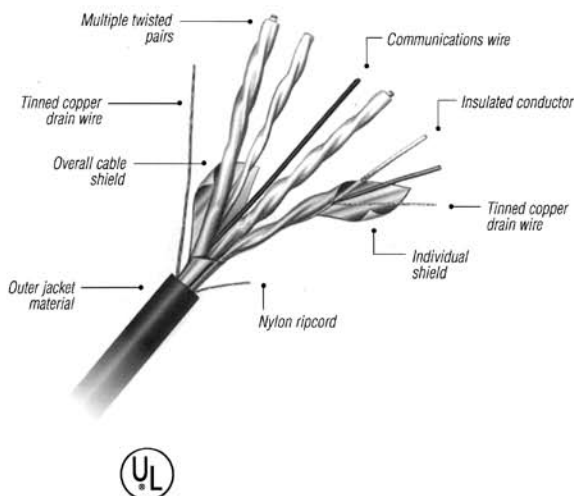
Part Number	Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 20 AWG / 0.5 mm ²							
1860-0860R	1	0.242	6.2	0.033	0.048	35	0.89
1862-0860R	1	0.253	6.4	0.036	0.054	35	0.89
Conductor Size: 18 AWG / 0.82 mm ²							
1860-8860R	1	0.262	6.7	0.041	0.061	35	0.89
1862-8860R	1	0.275	7.0	0.046	0.069	35	0.89
Conductor Size: 16 AWG / 1.3 mm ²							
1860-6860R	1	0.288	7.3	0.054	0.080	35	0.89
1862-6860R	1	0.302	7.7	0.062	0.093	35	0.89
Conductor Size: 1.5 mm ²							
1860-N860R	1	0.307	7.8	0.062	0.092	40	1.02
1862-N860R	1	0.321	8.2	0.069	0.103	40	1.02
Conductor Size: 2.5 mm ²							
1860-P8A0R	1	0.346	8.8	0.086	0.129	40	1.02
1862-P8A0R	1	0.361	9.2	0.095	0.142	40	1.02

300 Volt Thermoplastic PVC (Multiple Pair)

1870



1874

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation. . . . 15 mils (0.4 mm) for 20 - 16 AWG
20 mils (0.5 mm) for 14 AWG and larger, 105°C FR-PVC
- Number of conductors per group 2
- Color code Black and white
- Group identification . . . Each pair numbered
- Pair shield (Type 1874) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Overall shield. (Type 1870/1874) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black FR-PVC
- Communications wire. 22 AWG copper, color-coded orange

Application

- Signal transmission
- UL listed as PLTC/ITC
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas
- NEC Article 725/727
- 300 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 1870 – Multiple pair overall shield
- 1874 – Multiple pair individual and overall shield

Cable 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 mm ²		18 AWG / 0.8 mm ²		16 AWG / 1.3 mm ²		1.5 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	10.5	34.5	6.7	21.9	4.2	13.7	3.6	11.9	2.2	7.2
Mutual Capacitance												
Type 1870	pF/ft	pF/m	31	100	33	110	36	119	37	122	40	130
Type 1874	pF/ft	pF/m	49	160	56	184	64	210	67	218	76	251
L/R Ratio	μH/Ω	μH/Ω	9	9	13	13	20	20	22	22	35	35
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.18	0.58	0.17	0.54	0.16	0.53	0.15	0.5

Product Dimensions

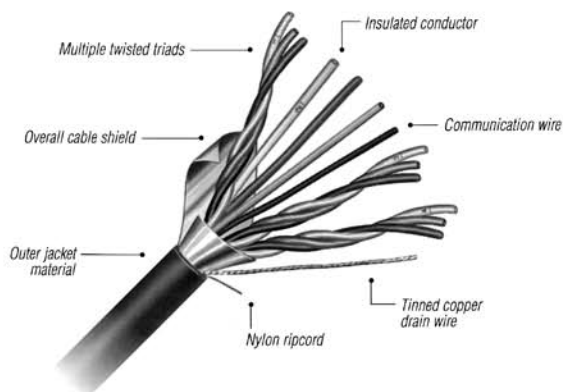
Part Number	Pairs	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 20 AWG / 0.5 mm ²							
1870-00280	2	0.336	8.5	0.052	0.078	40	1.02
1870-00480	4	0.396	10.1	0.078	0.117	40	1.02
1870-00880	8	0.523	13.3	0.143	0.213	50	1.27
1870-01280	12	0.606	15.4	0.195	0.290	50	1.27
1870-01680	16	0.689	17.5	0.268	0.400	60	1.52
1870-02480	24	0.813	20.6	0.356	0.530	60	1.52
1870-03680	36	0.951	24.2	0.513	0.765	70	1.78
1870-05080	50	1.098	27.9	0.698	1.041	70	1.78
1874-00280	2	0.364	9.2	0.061	0.090	40	1.02
1874-00480	4	0.457	11.6	0.110	0.164	50	1.27
1874-00880	8	0.575	14.6	0.182	0.272	50	1.27
1874-01280	12	0.708	18.0	0.267	0.398	60	1.52
1874-01680	16	0.759	19.3	0.327	0.488	60	1.52
1874-02480	24	0.972	24.7	0.492	0.733	70	1.78
1874-03680	36	1.105	28.1	0.685	1.020	70	1.78
1874-05080	50	1.257	31.9	0.874	1.303	70	1.78
Conductor Size: 18 AWG / 0.82 mm ²							
1870-80280	2	0.367	9.3	0.064	0.096	40	1.02
1870-80480	4	0.466	11.8	0.113	0.169	50	1.27
1870-80880	8	0.576	14.6	0.187	0.278	50	1.27
1870-81280	12	0.691	17.5	0.271	0.403	60	1.52
1870-81680	16	0.767	19.5	0.352	0.525	60	1.52
1870-82480	24	0.904	23.0	0.479	0.713	60	1.52
1870-83680	36	1.058	26.9	0.695	1.035	70	1.78
1870-85080	50	1.232	31.3	0.950	1.417	70	1.78
1874-80280	2	0.398	10.1	0.076	0.113	40	1.02
1874-80480	4	0.499	12.7	0.134	0.199	50	1.27
1874-80880	8	0.633	16.1	0.226	0.337	50	1.27
1874-81280	12	0.781	19.8	0.332	0.495	60	1.52
1874-81680	16	0.847	21.5	0.437	0.652	60	1.52
1874-82480	24	1.078	27.4	0.619	0.922	70	1.78
1874-83680	36	1.228	31.2	0.869	1.294	70	1.78
1874-85080	50	1.433	36.4	1.233	1.839	80	2.03
Conductor Size: 16 AWG / 1.3 mm ²							
1870-60280	2	0.437	11.1	0.094	0.141	50	1.27
1870-60480	4	0.516	13.1	0.148	0.220	50	1.27
1870-60880	8	0.663	16.8	0.264	0.393	60	1.52
1870-61280	12	0.772	19.6	0.367	0.546	60	1.52
1870-61680	16	0.954	24.2	0.500	0.746	70	1.78
1870-62480	24	1.038	26.4	0.683	1.015	70	1.78
1870-63680	36	1.192	30.3	0.970	1.444	70	1.78
1870-65080	50	1.536	39.0	1.352	2.016	80	2.03
1874-60280	2	0.472	12.0	0.107	0.160	50	1.27
1874-60480	4	0.553	14.0	0.178	0.264	50	1.27
1874-60880	8	0.727	18.5	0.323	0.480	60	1.52
1874-61280	12	0.873	22.2	0.456	0.679	60	1.52
1874-61680	16	0.972	24.7	0.608	0.907	70	1.78
1874-62480	24	1.211	30.3	0.860	1.281	70	1.78
1874-63680	36	1.404	35.7	1.250	1.862	80	2.03
1874-65080	50	1.621	41.2	1.691	2.522	80	2.03

Product Dimensions

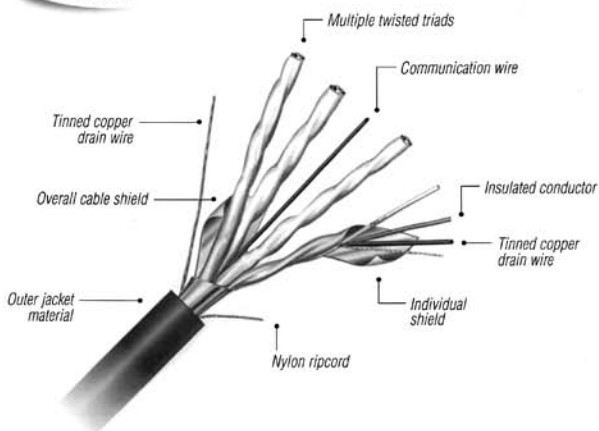
Part Number	Pairs	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 1.5 mm ²							
1870-N0280	2	0.451	11.5	0.102	0.151	50	1.27
1870-N0480	4	0.533	13.5	0.161	0.240	50	1.27
1870-N0880	8	0.686	17.4	0.289	0.431	60	1.52
1870-N1280	12	0.800	20.3	0.404	0.602	60	1.52
1874-N0280	2	0.486	12.3	0.117	0.175	50	1.27
1874-N0480	4	0.571	14.5	0.189	0.281	50	1.27
1874-N0880	8	0.751	19.1	0.344	0.513	60	1.52
1874-N1280	12	0.904	23.0	0.487	0.726	60	1.52
Conductor Size: 2.5 mm ²							
1870-P0280	2	0.511	13.0	0.137	0.204	50	1.27
1870-P04A0	4	0.609	15.5	0.226	0.337	50	1.27
1870-P08A0	8	0.787	20.0	0.415	0.618	60	1.52
1870-P12A0	12	0.942	23.9	0.606	0.902	70	1.78
1874-P0280	2	0.551	14.0	0.157	0.234	50	1.27
1874-P04A0	4	0.671	17.0	0.275	0.409	60	1.52
1874-P08A0	8	0.861	21.9	0.486	0.724	60	1.52
1874-P12A0	12	1.063	27.0	0.717	1.067	70	1.78

300 Volt Thermoplastic PVC (Multiple Triad)

1880



1884

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation. 15 mils (0.4 mm) for 20 - 16 AWG
20 mils (0.5 mm) for 14 AWG and larger, 105°C FR-PVC
- Number of conductors per group 3
- Color code Black, white and red
- Group identification Each triad numbered
- Triad shield (Type 1884) 100% coverage, an aluminum-polyester tape shield and 7-strand tinned copper drain wire
- Overall shield. (Type 1880/1884) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black FR-PVC
- Communications wire 22 AWG copper, color-coded orange

Application

- Signal transmission
- UL listed as PLTC/ITC
- Suitable for Class I, Division 2 and Class II Division 2 hazardous areas
- NEC Article 725/727
- 300 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 1880 – Multiple triad overall shield
- 1884 – Multiple triad individual and overall shield

Cable Options

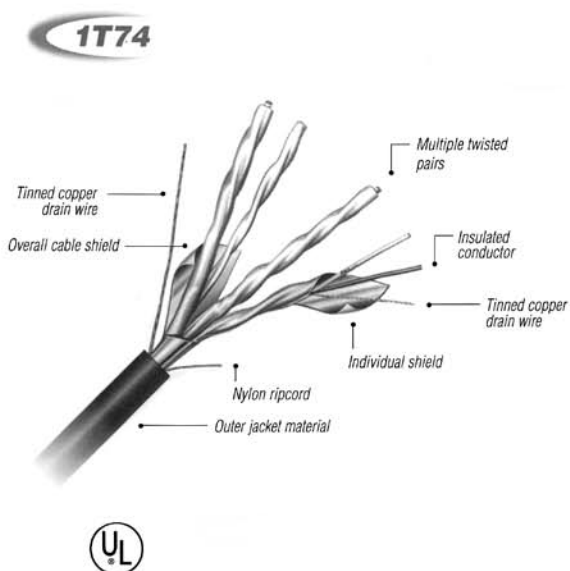
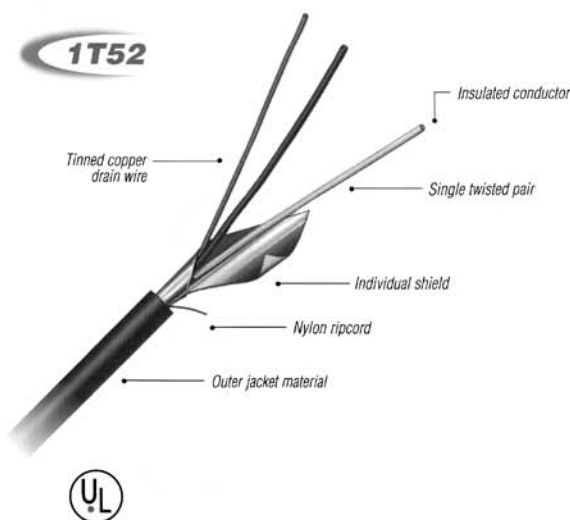
- Manufactured in accordance with UL. Also available to ICEA, IEC, BS standards or customized configurations
- Various metric and AWG size conductors
- Special color coding of insulation and jacket materials

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 mm ²		18 AWG / 0.8 mm ²		16 AWG / 1.3 mm ²		1.5 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	10.5	34.5	6.7	21.9	4.2	13.7	3.6	11.9	2.2	7.2
Mutual Capacitance												
Type 1880	pF/ft	pF/m	31	100	33	110	36	119	37	122	40	130
Type 1884	pF/ft	pF/m	49	160	56	184	64	210	67	218	76	251
L/R Ratio	μH/Ω	μH/Ω	9	9	13	13	20	20	22	22	35	35
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.18	0.58	0.17	0.54	0.16	0.53	0.15	0.5

Product Dimensions

		Nominal O.D.		Weight		Jacket Thickness	
Part Number	Triads	in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 20 AWG / 0.5 mm ²							
1880-00480	4	0.470	11.9	0.116	0.173	50	1.27
1880-01280	12	0.732	18.6	0.283	0.422	60	1.52
1880-01680	16	0.808	20.5	0.355	0.529	60	1.52
1880-03680	36	1.145	29.1	0.729	1.085	70	1.78
1884-00480	4	0.497	12.6	0.136	0.202	50	1.27
1884-01280	12	0.777	19.7	0.338	0.504	60	1.52
1884-01680	16	0.859	21.8	0.428	0.637	60	1.52
1884-03680	36	1.221	31.0	0.887	1.321	70	1.78
Conductor Size: 18 AWG / 0.82 mm ²							
1880-80480	4	0.516	13.1	0.149	0.222	50	1.27
1880-81280	12	0.811	20.6	0.377	0.561	60	1.52
1880-81680	16	0.897	22.8	0.477	0.711	60	1.52
1880-83680	36	1.298	32.9	1.021	1.520	80	2.03
1884-80480	4	0.544	13.8	0.170	0.253	50	1.27
1884-81280	12	0.859	21.8	0.434	0.647	60	1.52
1884-81680	16	0.972	24.7	0.571	0.851	70	1.78
1884-83680	36	1.379	35.0	1.187	1.769	80	2.03
Conductor Size: 16 AWG / 1.3 mm ²							
1880-60480	4	0.574	14.6	0.199	0.296	50	1.27
1880-61280	12	0.930	23.6	0.535	0.797	70	1.78
1880-61680	16	1.030	26.2	0.682	1.016	70	1.78
1880-63680	36	1.466	37.2	1.431	2.131	80	2.03
1884-60480	4	0.605	15.4	0.229	0.341	50	1.27
1884-61280	12	0.983	25.0	0.621	0.925	70	1.78
1884-61680	16	1.089	27.7	0.794	1.183	70	1.78
1884-63680	36	1.554	39.5	1.678	2.499	80	2.03
Conductor Size: 1.5 mm ²							
1880-N0480	4	0.595	15.1	0.218	0.325	50	1.27
1880-N0880	8	0.783	19.9	0.401	0.598	60	1.52
1880-N1280	12	0.964	24.5	0.590	0.879	70	1.78
1880-N2480	24	1.333	33.9	1.115	1.660	80	2.03
1884-N0480	4	0.625	15.9	0.246	0.366	50	1.27
1884-N0880	8	0.825	21.0	0.455	0.678	60	1.52
1884-N1280	12	1.017	25.3	0.670	0.998	70	1.78
1884-N2480	24	1.410	35.8	1.270	1.890	80	2.03
Conductor Size: 2.5 mm ²							
1880-P04A0	4	0.701	17.8	0.325	0.485	60	1.52
1880-P08A0	8	0.902	22.9	0.585	0.871	70	1.78
1880-P12A0	12	1.113	28.3	0.864	1.287	70	1.78
1880-P24A0	24	1.549	39.3	1.652	2.461	80	2.03
1884-P04A0	4	0.786	18.7	0.361	0.537	60	1.52
1884-P08A0	8	0.964	24.6	0.671	0.999	70	1.78
1884-P12A0	12	1.173	29.8	0.965	1.437	70	1.78



Description

- Conductor 7-strand bare copper, Class B
- Primary insulation . . . 15 mils (0.4 mm) TPE
- Color code Black and white (pairs)
Black, white and red (triads)
- Group identification . . Each pair/triad numbered
- Pair/triad shield (Type 1T52/1T62/1T74/1T84) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Overall shield Type (1T70/1T74/1T80/1T84) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black TPE

Application

- UL listed as PLTC/ITC
- Offers flexibility at low temperatures
- Excellent dielectric properties and long-term moisture resistance
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas
- NEC Article 725/727
- 300 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 1T50 – Single pair unshielded
- 1T52 – Single pair shielded
- 1T60 – Single triad unshielded
- 1T62 – Single triad shielded
- 1T70 – Multiple pair overall shield
- 1T74 – Multiple pair individual and overall shield
- 1T80 – Multiple triad overall shield
- 1T84 – Multiple triad individual and overall shield

Cable Options

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

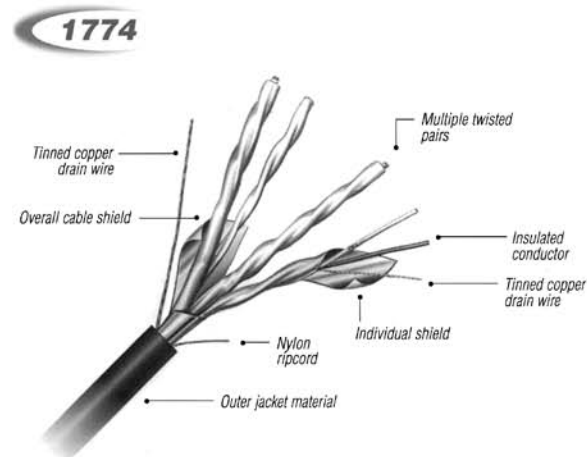
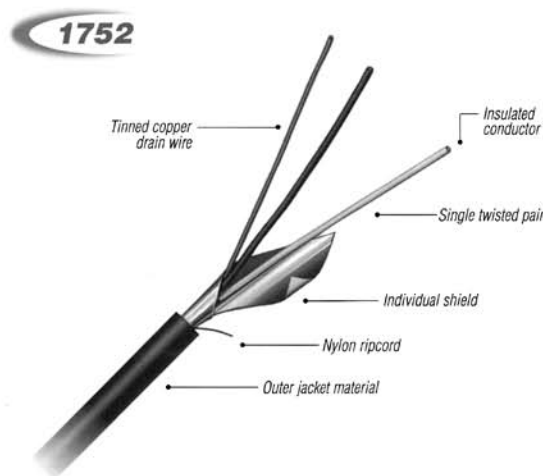
The specifications listed above are subject to change without notice. In any change, the product's performance will remain the same, or be improved.

Electrical Properties	Units		Conductor Size			
			20 AWG / 0.5 mm ²		16 AWG / 1.3 mm ²	
Resistance (R)	Ω/Mft	Ω/km	10.5	34.5	4.2	13.7
Mutual Capacitance						
Type 1T50	pF/ft	pF/m	15	51	18	60
Type 1T74	pF/ft	pF/m	26	85	34	110
L/R Ratio	μH/Ω	μH/Ω	9	9	20	20
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.17	0.54

Product Dimensions

Part Number	Pairs/Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 20 AWG / 0.5 mm ²							
1T50-0800R	1 PR	0.231	5.9	0.022	0.033	35	0.89
1T52-0800R	1 PR	0.236	6.0	0.027	0.040	35	0.89
1T60-0800R	1 TR	0.242	6.2	0.029	0.044	35	0.89
1T62-0800R	1 TR	0.253	6.4	0.033	0.049	35	0.89
1T70-00400	4 PR	0.396	10.1	0.068	0.101	40	1.02
1T70-00800	8 PR	0.523	13.3	0.124	0.184	50	1.27
1T70-01200	12 PR	0.606	15.4	0.170	0.253	50	1.27
1T70-02400	24 PR	0.813	20.6	0.313	0.467	60	1.52
1T74-00400	4 PR	0.457	11.6	0.096	0.143	50	1.27
1T74-00800	8 PR	0.575	14.6	0.161	0.240	50	1.27
1T74-01200	12 PR	0.708	18.0	0.237	0.353	60	1.52
1T74-02400	24 PR	0.972	24.7	0.440	0.656	70	1.78
1T80-00400	4 TR	0.470	12.0	0.100	0.149	50	1.27
1T80-00800	8 TR	0.594	15.1	0.169	0.251	50	1.27
1T80-01200	12 TR	0.732	18.6	0.248	0.369	60	1.52
1T84-00400	4 TR	0.497	12.6	0.119	0.177	50	1.27
1T84-00800	8 TR	0.630	16.0	0.205	0.305	50	1.27
1T84-01200	12 TR	0.777	19.7	0.301	0.449	60	1.52
Conductor Size: 16 AWG / 1.3 mm ²							
1T50-6800R	1 PR	0.274	7.0	0.036	0.054	35	0.89
1T52-6800R	1 PR	0.278	7.1	0.043	0.064	35	0.89
1T60-6800R	1 TR	0.288	7.3	0.050	0.074	35	0.89
1T62-6800R	1 TR	0.302	7.7	0.058	0.086	35	0.89
1T70-60400	4 PR	0.516	13.1	0.130	0.194	50	1.27
1T70-60800	8 PR	0.663	16.8	0.235	0.350	60	1.52
1T70-61200	12 PR	0.772	19.6	0.330	0.492	60	1.52
1T70-62400	24 PR	1.038	26.4	0.621	0.925	70	1.78
1T74-60400	4 PR	0.553	14.0	0.159	0.236	50	1.27
1T74-60800	8 PR	0.727	18.5	0.292	0.435	60	1.52
1T74-61200	12 PR	0.873	22.2	0.416	0.619	60	1.52
1T74-62400	24 PR	1.211	30.8	0.792	1.179	70	1.78
1T80-60400	4 TR	0.574	14.6	0.178	0.264	50	1.27
1T80-60800	8 TR	0.756	19.2	0.328	0.489	60	1.52
1T80-61200	12 TR	0.930	23.6	0.484	0.720	70	1.78
1T84-60400	4 TR	0.605	15.4	0.206	0.307	50	1.27
1T84-60800	8 TR	0.798	20.3	0.384	0.572	60	1.52
1T84-61200	12 TR	0.983	25.0	0.567	0.845	70	1.78

300 Volt Thermoplastic Polyethylene

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation . . . 15 mils (0.4 mm) for 20 AWG
20 mils (0.5 mm) for 18 AWG
and larger, polyethylene
- Color code Black and white (pairs)
Black, white and red (triads)
- Group identification . . Each pair/triad numbered
- Pair/triad shield (Type 1752/1762/1774/1784) 100%
coverage, an aluminum-polyester tape
shield and a 7-strand tinned copper
drain wire
- Overall shield. (Type 1770/1774/1780/1784)
100% coverage, an aluminum-polyester
tape shield and a 7-strand tinned copper
drain wire
- Jacket Black FR-PVC

Application

- Excellent dielectric properties
- Good chemical and long-term moisture resistance
- Non-flame retardant (does not pass IEEE 383 or IEC 332)
- 300 volt rated insulation per ICEA

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 1750 – Single pair unshielded
- 1752 – Single pair shielded
- 1760 – Single triad unshielded
- 1762 – Single triad shielded
- 1770 – Multiple pair overall shield
- 1774 – Multiple pair individual and overall shield
- 1780 – Multiple triad overall shield
- 1784 – Multiple triad individual and overall shield

Cable Options

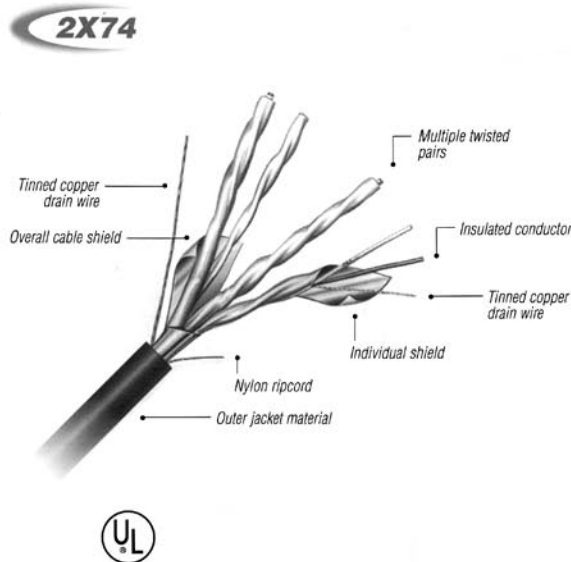
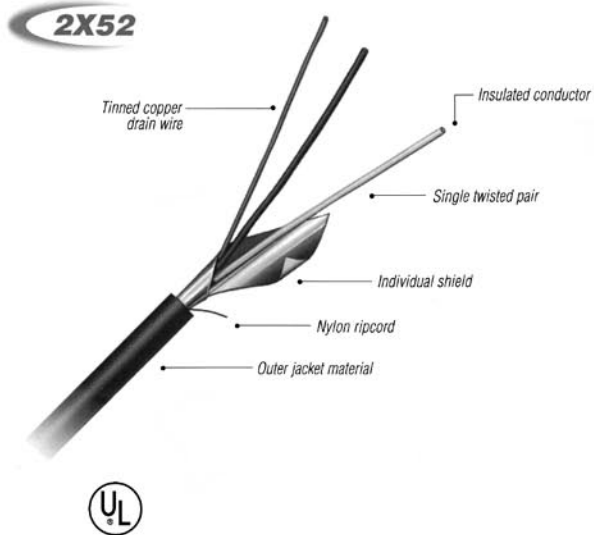
- Manufactured in accordance with ICEA. Also available to IEC, BS standards or customized configurations.
- Various metric and AWG size conductors
- Special color coding of insulation and jacket materials
- LDPE or CPE jacket

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 mm ²		16 AWG / 1.3 mm ²		1.5 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	10.5	34.5	4.2	13.7	3.6	11.9	2.2	7.2
Mutual Capacitance										
Type 1750	pF/ft	pF/m	15	51	16	54	17	55	18	61
Type 1752	pF/ft	pF/m	15	51	16	54	17	55	18	61
Type 1760	pF/ft	pF/m	26	85	29	94	30	97	34	112
Type 1762	pF/ft	pF/m	26	85	29	94	30	97	34	112
Type 1770	pF/ft	pF/m	15	51	16	54	17	55	18	61
Type 1774	pF/ft	pF/m	26	85	29	94	30	97	34	112
Type 1780	pF/ft	pF/m	15	51	16	54	17	55	18	61
Type 1784	pF/ft	pF/m	26	85	29	94	30	97	34	112
L/R Ratio	μH/Ω	μH/Ω	9	9	21	21	24	24	37	37
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.18	0.59	0.18	0.58	0.16	0.54

Product Dimensions

Part Number	Pairs/Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 16 AWG / 1.3 mm ²							
1752-68F03	1 PR	0.341	8.7	0.060	0.090	45	1.14
1760-68F03	1 TR	0.354	9.0	0.067	0.100	45	1.14
1762-68F03	1 TR	0.370	9.4	0.075	0.112	45	1.14
1770-604F0	4 PR	0.698	17.7	0.240	0.353	60	1.52
1770-612F0	12 PR	1.129	28.7	0.620	0.923	80	2.03
1770-624F0	24 PR	1.541	39.1	1.116	1.662	80	2.03
1774-604F0	4 PR	0.733	18.6	0.283	0.422	60	1.52
1774-612F0	12 PR	1.188	30.2	0.745	1.110	80	2.03
1774-624F0	24 PR	1.627	41.3	1.360	2.026	80	2.03
Conductor Size: 1.5 mm ²							
1752-N8F03	1 PR	0.349	8.9	0.065	0.097	45	1.14
1760-N8F03	1 TR	0.363	9.2	0.072	0.108	45	1.14
1762-N8F03	1 TR	0.379	9.6	0.082	0.122	45	1.14
1770-N04F0	4 PR	0.685	17.4	0.211	0.314	60	1.52
1770-N12F0	12 PR	1.053	26.7	0.521	0.776	80	2.03
1770-N24F0	24 PR	1.394	35.4	0.918	1.367	80	2.03
1774-N04F0	4 PR	0.731	18.6	0.248	0.369	60	1.52
1774-N12F0	12 PR	1.186	30.1	0.637	0.948	80	2.03
1774-N24F0	24 PR	1.624	41.2	1.142	1.701	80	2.03
Conductor Size: 14 AWG/ 2.1 mm ²							
1752-48L03	1 PR	0.391	9.9	0.082	0.122	45	1.14
1760-48L03	1 TR	0.408	10.4	0.092	0.137	45	1.14
1762-48L03	1 TR	0.426	10.8	0.104	0.155	45	1.14
1770-404L0	4 PR	0.731	18.6	0.250	0.372	60	1.52
1770-412L0	12 PR	1.128	28.6	0.634	1.945	80	2.03
1770-424L0	24 PR	1.498	38.0	1.137	1.693	80	2.03
1774-404L0	4 PR	0.781	19.8	0.371	0.472	60	1.52
1774-412L0	12 PR	1.270	32.3	0.840	1.251	80	2.03
1774-424L0	24 PR	1.806	45.9	1.644	2.448	110	2.79
Conductor Size: 2.5 mm ²							
1752-P8L03	1 PR	0.405	10.3	0.091	0.135	45	1.14
1760-P8L03	1 TR	0.423	10.7	0.102	0.153	45	1.14
1762-P8L03	1 TR	0.442	11.2	0.116	0.172	45	1.14
1770-P04L0	4 PR	0.761	19.3	0.285	0.425	60	1.52
1770-P12L0	12 PR	1.176	29.9	0.721	1.074	80	2.03
1770-P24L0	24 PR	1.565	39.7	1.298	1.933	80	2.03
1774-P04L0	4 PR	0.812	20.6	0.338	0.503	60	1.52
1774-P12L0	12 PR	1.324	33.6	0.884	1.316	80	2.03
1774-P24L0	24 PR	1.884	47.9	1.723	2.566	110	2.79



Description

- Conductor 7-strand bare copper, Class B
- Primary insulation . . . 15 mils (0.38 mm) XLPE
- Color code Black and white (pairs)
Black, white and red (triads)
- Group identification . . Each pair/triad numbered
- Pair/triad shield (Type 2X52/2X62/2X74/2X84)
100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Overall shield. Type (2X70/2X74/2X80/2X84)
100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black FR-PVC

Application

- UL listed as PLTC/ITC
- Excellent dielectric properties
- Good chemical and long-term moisture resistance
- NEC Article 725/727
- Flame retardant
- 300 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 2X50 – Single pair unshielded
- 2X52 – Single pair shielded
- 2X60 – Single triad unshielded
- 2X62 – Single triad shielded
- 2X70 – Multiple pair overall shield
- 2X74 – Multiple pair individual and overall shield
- 2X80 – Multiple triad overall shield
- 2X84 – Multiple triad individual and overall shield

Cable Options

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

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

Note: Substituting 3x for 2x will upgrade Insulated Single Flame performance to VW-1

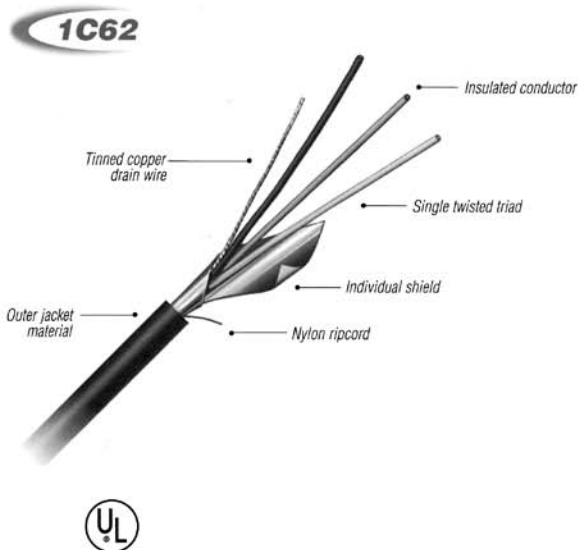
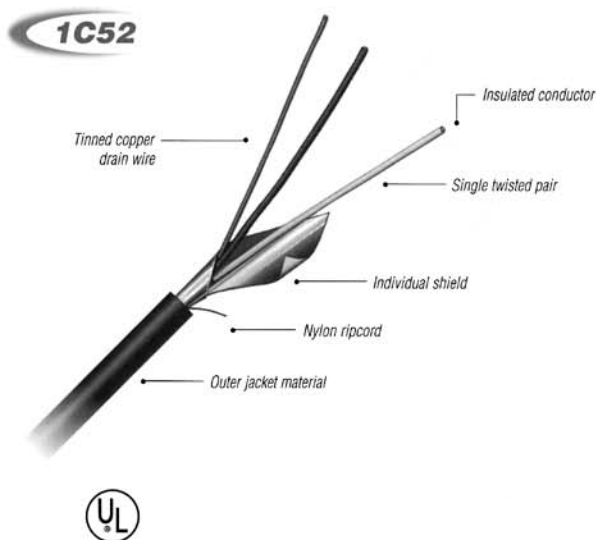
Electrical Properties	Units		Conductor Size					
			20 AWG / 0.5 mm ²		16 AWG / 1.3 mm ²		1.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	11.1	36.4	4.4	14.5	3.8	12.4
Mutual Capacitance								
Type 2X50	pF/ft	pF/m	17	55	20	64	20	66
Type 2X52	pF/ft	pF/m	27	88	35	115	36	119
Type 2X60	pF/ft	pF/m	17	55	20	64	20	66
Type 2X62	pF/ft	pF/m	27	88	35	115	36	119
Type 2X70	pF/ft	pF/m	17	55	20	64	20	66
Type 2X74	pF/ft	pF/m	27	88	35	115	36	119
Type 2X80	pF/ft	pF/m	17	55	20	64	20	66
Type 2X84	pF/ft	pF/m	27	88	35	115	36	119
L/R Ratio	μH/Ω	μH/Ω	9	9	20	20	22	22
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.17	0.54	0.16	0.53

Product Dimensions

Part Number*	Pairs/Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 20 AWG / 0.5 mm ²							
2X52-09510	1 PR	0.236	6.0	0.029	0.043	35	0.89
2X62-09510	1 TR	0.253	6.4	0.035	0.052	35	0.89
2X70-00450	4 PR	0.396	10.1	0.075	0.111	40	1.02
2X70-00850	8 PR	0.523	13.3	0.136	0.203	50	1.27
2X70-01250	12 PR	0.606	15.4	0.184	0.274	50	1.27
2X70-02450	24 PR	0.813	20.6	0.334	0.498	60	1.52
2X74-00450	4 PR	0.457	11.6	0.102	0.152	50	1.27
2X74-00850	8 PR	0.575	14.6	0.165	0.246	50	1.27
2X74-01250	12 PR	0.708	18.0	0.242	0.360	60	1.52
2X74-02450	24 PR	0.972	24.7	0.441	0.657	70	1.78
Conductor Size: 16 AWG / 1.3 mm ²							
2X52-69510	1 PR	0.278	7.1	0.047	0.070	35	0.89
2X62-69510	1TR	0.312	7.9	0.063	0.093	35	0.89
2X70-60450	4 PR	0.516	13.1	0.143	0.213	50	1.27
2X70-60850	8 PR	0.663	16.8	0.254	0.378	60	1.52
2X70-61250	12 PR	0.772	19.6	0.351	0.523	60	1.52
2X70-62450	24 PR	1.038	26.4	0.653	0.972	70	1.78
2X74-60450	4 PR	0.553	14	0.172	0.257	50	1.27
2X74-60850	8 PR	0.727	18.5	0.312	0.465	60	1.52
2X74-61250	12 PR	0.873	22.2	0.440	0.656	60	1.52
2X74-62450	24 PR	1.211	30.8	0.830	1.236	70	1.78
Conductor Size: 1.5 mm ²							
2X52-N9510	1 PR	0.286	7.3	0.050	0.075	35	0.89
2X62-N9510	1TR	0.321	8.2	0.067	0.099	40	1.02
2X70-N0450	4 PR	0.533	13.5	0.156	0.232	50	1.27
2X70-N0850	8 PR	0.686	17.4	0.278	0.415	60	1.52
2X70-N1250	12 PR	0.800	20.3	0.388	0.578	60	1.52
2X70-N2450	24 PR	1.076	27.3	0.724	1.078	70	1.78
2X74-N0450	4 PR	0.571	14.5	0.183	0.273	50	1.27
2X74-N0850	8 PR	0.751	19.1	0.333	0.497	60	1.52
2X74-N1250	12 PR	0.904	22.9	0.471	0.702	60	1.52
2X74-N2450	24 PR	1.255	31.9	0.890	1.325	70	1.78

* Part number may change and become 12 digits at time of order.

600 Volt Thermoplastic PVC/Nylon (Single Pair/Single Triad)

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation 15 mils (0.4 mm) PVC, 4 mils (0.1 mm) nylon
- Color code Black and white (pairs)
Black, red and white (triads)
- Pair/triad shield (Type 1C52, 1C62) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black FR-PVC

Application

- Offers resistance to a wide range of chemicals, including acids, alkalis, alcohol, petroleum and mineral oils
- UL listed as TC per NEC Article 336
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas
- 600 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 1C50 – Single pair unshielded
- 1C52 – Single pair shielded
- 1C60 – Single triad unshielded
- 1C62 – Single triad shielded

Cable Options

- Manufactured in accordance with UL. Also available to CSA, ICEA standards or customized configurations.
- Various metric and AWG size conductors
- Special color coding of insulation and jacket materials
- Pairs color-coded black and red
- Triads color-coded black, red and blue
- Tinned copper conductors

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

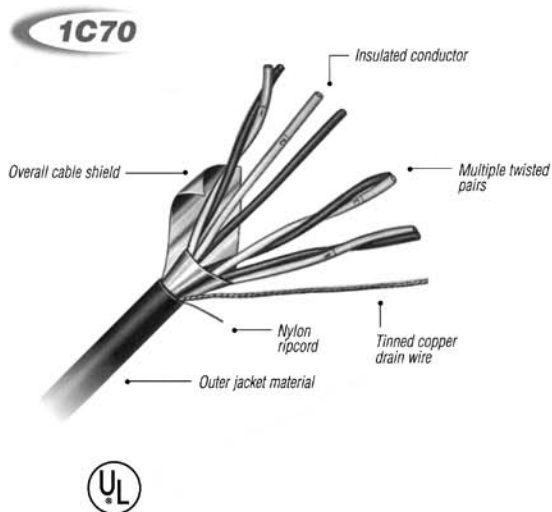
Electrical Properties	Units		Conductor Size					
			18 AWG / 0.8 mm ²		16 AWG / 1.3 mm ²		14 AWG / 2.1 mm ²	
Resistance (R)	Ω/Mft	Ω/km	6.7	21.9	4.2	13.7	2.6	8.6
Mutual Capacitance								
Type 1C50	pF/ft	pF/m	31	100	33	110	36	119
Type 1C52	pF/ft	pF/m	49	161	56	184	64	210
Type 1C60	pF/ft	pF/m	31	100	33	110	36	119
Type 1C62	pF/ft	pF/m	49	161	56	184	64	210
L/R Ratio	μH/Ω	μH/Ω	14	14	21	21	31	31
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.18	0.58	0.17	0.54

Product Dimensions

Part Number*	Pairs/Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 18 AWG / 0.82 mm ²							
1C50-87000	1 PR	0.286	7.3	0.041	0.061	45	1.14
1C52-87000	1 PR	0.293	7.4	0.046	0.069	45	1.14
1C60-87000	1 TR	0.303	7.7	0.051	0.076	45	1.14
1C62-87000	1 TR	0.316	8.0	0.057	0.084	45	1.14
Conductor Size: 16 AWG / 1.3 mm ²							
1C50-67000	1 PR	0.312	7.9	0.051	0.076	45	1.14
1C52-67000	1 PR	0.317	8.1	0.058	0.086	45	1.14
1C60-67000	1 TR	0.328	8.3	0.065	0.096	45	1.14
1C62-67000	1 TR	0.343	8.7	0.073	0.108	45	1.14
Conductor Size: 14 AWG / 2.1 mm ²							
1C50-47000	1 PR	0.342	8.7	0.065	0.097	45	1.14
1C52-47000	1 PR	0.347	8.8	0.072	0.108	45	1.14
1C60-47000	1 TR	0.361	9.2	0.085	0.127	45	1.14
1C62-47000	1 TR	0.376	9.6	0.093	0.139	45	1.14

* Add -230 to part number for black and red pairs or black, red and blue triads.

600 Volt Thermoplastic PVC/Nylon (Multiple Pair)

**Description**

- Conductor 7-strand bare copper Class B
- Primary insulation . . . 15 mils (0.4 mm) PVC,
4 mils (0.1 mm) nylon
- Color code Black and white pairs
- Group identification . . Each pair numbered
- Pair shield (Type 1C74) 100% coverage, an
aluminum-polyester tape shield and
a 7-strand tinned copper drain wire
- Overall shield (Type 1C70/1C74) 100% coverage, an
aluminum-polyester tape shield and
a 7-strand tinned copper drain wire
- Jacket Black FR-PVC

Application

- Offers resistance to a wide range of chemicals, including acids, alkalies, alcohol, petroleum and mineral oils
- UL listed as TC
- NEC Article 336
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas

Bending Radius

- $6 \times d$ (d = overall diameter)

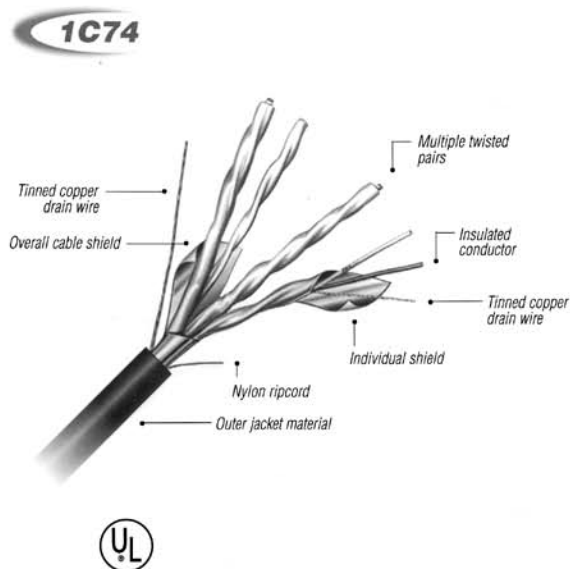
Cable Type

- 1C70 – Multiple pair overall shield
- 1C74 – Multiple pair individual and overall shield

Cable Options

- Manufactured in accordance with UL. Also available to ICEA, CSA standards or customized configurations.
- Various metric and AWG size conductors
- Special color coding of insulation and jacket materials
- Pairs color-coded black and red
- Tinned copper conductors

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



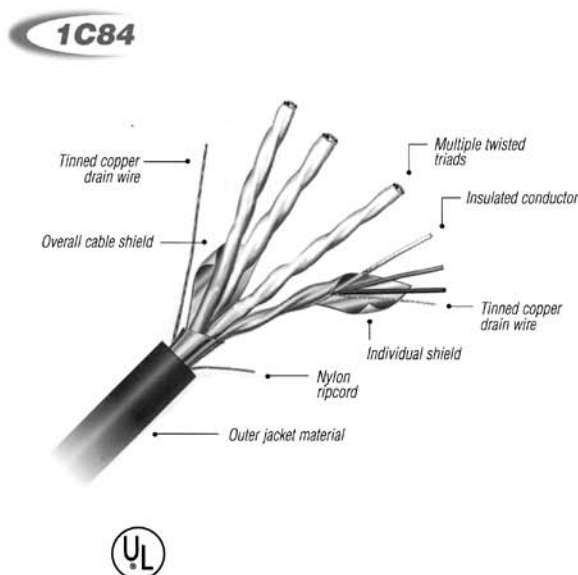
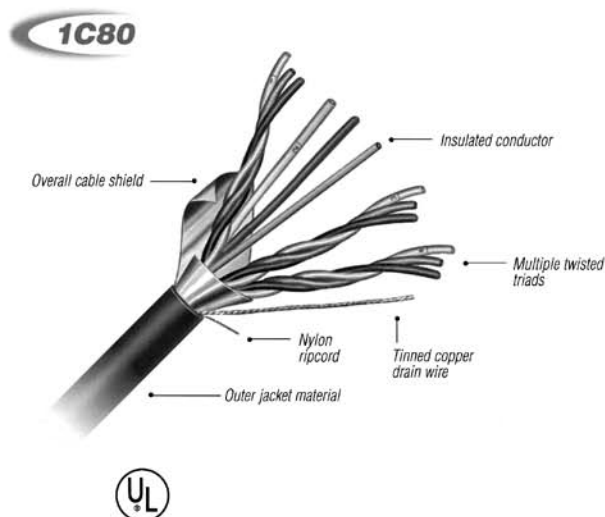
Electrical Properties	Units		Conductor Size			
			18 AWG / 0.8 mm ²		16 AWG / 1.3 mm ²	
Resistance (R)	Ω/Mft	Ω/km	6.7	21.9	4.2	13.7
Mutual Capacitance						
Type 1C70	pF/ft	pF/m	31	100	33	110
Type 1C74	pF/ft	pF/m	49	161	56	184
L/R Ratio	μH/Ω	μH/Ω	14	14	21	21
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.18	0.58

Product Dimensions

Part Number*	Pairs	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 18 AWG / 0.82 mm ²							
1C70-80200	2	0.406	10.3	0.070	0.105	45	1.14
1C70-80400	4	0.485	12.3	0.118	0.175	45	1.14
1C70-80800	8	0.649	16.5	0.212	0.329	60	1.52
1C70-81200	12	0.755	19.2	0.302	0.450	60	1.52
1C70-82400	24	1.033	26.2	0.572	0.852	80	2.03
1C70-83600	36	1.183	30.0	0.796	1.186	80	2.03
1C74-80200	2	0.439	11.2	0.082	0.122	45	1.14
1C74-80400	4	0.521	13.2	0.146	0.218	45	1.14
1C74-80800	8	0.711	18.1	0.279	0.416	60	1.52
1C74-81200	12	0.853	21.7	0.391	0.582	60	1.52
1C74-82400	24	1.202	30.5	0.752	1.120	80	2.03
1C74-83600	36	1.370	34.8	1.053	1.569	80	2.03
Conductor Size: 16 AWG / 1.3 mm ²							
1C70-60200	2	0.446	11.3	0.089	0.133	45	1.14
1C70-60400	4	0.565	14.4	0.015	0.227	45	1.14
1C70-60800	8	0.751	19.1	0.283	0.424	60	1.52
1C70-61200	12	0.884	22.5	0.389	0.584	60	1.52
1C70-62400	24	1.212	30.8	0.742	1.112	80	2.03
1C70-63600	36	1.398	35.5	1.038	1.557	80	2.03
1C74-60200	2	0.483	12.3	0.105	0.157	45	1.14
1C74-60400	4	0.629	16.0	0.207	0.310	60	1.52
1C74-60800	8	0.811	20.6	0.349	0.522	60	1.52
1C74-61200	12	1.017	25.8	0.528	0.791	80	2.03
1C74-62400	24	1.390	35.3	0.944	1.416	80	2.03
1C74-63600	36	1.593	40.5	1.331	1.997	80	2.03

* Add -230 to part number for black and red pairs.

600 Volt Thermoplastic PVC/Nylon (Multiple Triad)

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation. . . 15 mils (0.4 mm) PVC,
4 mils (0.1 mm) nylon
- Color code Black, red and white triads
- Group identification . . Each triad numbered
- Triad shield (Type 1C84) 100% coverage, an
aluminum-polyester tape shield and
a 7-strand tinned copper drain wire
- Overall shield. (Type 1C80/1C84) 100% coverage,
an aluminum-polyester tape shield
and a 7-strand tinned copper
drain wire
- Jacket. Black FR-PVC

Application

- Offers resistance to a wide range of chemicals, including acids, alkalies, alcohol, petroleum and mineral oils
- UL listed as TC
- NEC Article 336
- Suitable for Class I, Division 2 and Class II, Division 2 hazardous areas

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 1C80 – Multiple triad overall shield
- 1C84 – Multiple triad individual and overall shield

Cable Options

- Manufactured in accordance with UL. Also available to ICEA, CSA standards or customized configurations.
- Various metric and AWG size conductors
- Special color coding of insulation and jacket materials
- Triads color-coded black, red and blue
- Tinned copper conductors

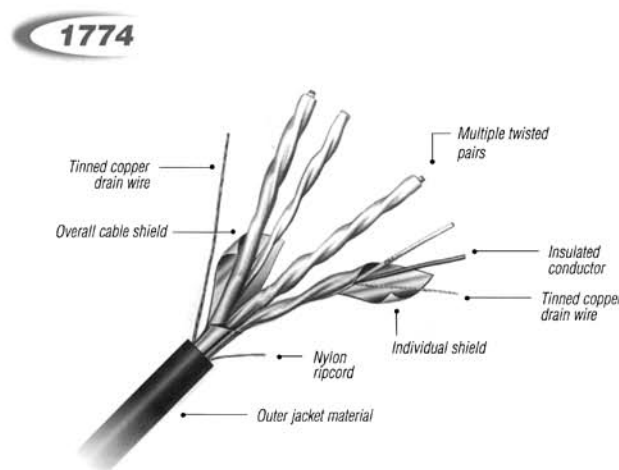
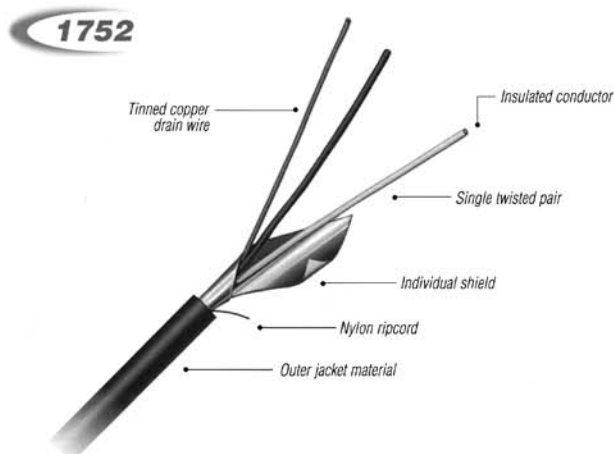
The specifications listed above are subject to change without notice. In any change, the product's performance will remain the same, or be improved.

Electrical Properties	Units		Conductor Size			
			18 AWG / 0.8 mm ²		16 AWG / 1.3 mm ²	
Resistance (R)	Ω/Mft	Ω/km	6.7	21.9	4.2	13.7
Mutual Capacitance						
Type 1C80	pF/ft	pF/m	31	100	33	110
Type 1C84	pF/ft	pF/m	49	161	56	184
L/R Ratio	μH/Ω	μH/Ω	14	14	21	21
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.17	0.58

Product Dimensions

Part Number*	Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 18 AWG/ 0.8 mm ²							
1C80-80400	4	0.582	14.8	0.178	0.265	60	1.52
1C80-80800	8	0.739	18.8	0.299	0.446	60	1.52
1C80-81200	12	0.929	23.6	0.455	0.677	80	2.03
1C80-82400	24	1.253	31.8	0.809	1.205	80	2.03
1C80-83600	36	1.430	36.3	1.137	1.693	80	2.03
1C84-80400	4	0.612	15.5	0.207	0.309	60	1.52
1C84-80800	8	0.780	19.8	0.355	0.528	60	1.52
1C84-81200	12	0.980	24.9	0.538	0.802	80	2.03
1C84-82400	24	1.327	33.7	0.971	1.446	80	2.03
1C84-83600	36	1.516	38.5	1.375	2.048	80	2.03
Conductor Size: 16 AWG / 1.3 mm ²							
1C80-60400	4	0.640	16.3	0.233	0.348	60	1.52
1C80-60800	8	0.818	20.8	0.401	0.598	60	1.52
1C80-61200	12	1.029	26.1	0.607	0.904	80	2.03
1C80-62400	24	1.397	35.5	1.100	1.639	80	2.03
1C80-63600	36	1.598	40.6	1.563	2.327	80	2.03
1C84-60400	4	0.672	17.1	0.264	0.393	60	1.52
1C84-60800	8	0.902	22.9	0.473	0.734	80	2.03
1C84-61200	12	1.084	27.5	0.694	1.034	80	2.03
1C84-62400	24	1.477	37.5	1.269	1.890	80	2.03
1C84-63600	36	1.691	42.9	1.810	2.697	80	2.03

* Add -230 to part number for black, red and blue triads.

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation 25 mils (0.6 mm) for 16 AWG, 30 mils (0.8 mm) for 14 AWG, polyethylene
- Color code Black and white (pairs)
Black, white and red (triads)
- Group identification Each pair/triad numbered
- Pair/triad shield (Type 1752/1762/1774/1784) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Overall shield (Type 1770/1774/1780/1784) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black FR-PVC

Application

- Excellent dielectric properties
- Good chemical and long-term moisture resistance
- Non-flame retardant (does not pass IEEE 383 or IEC 332)
- 600 volt rated insulation per ICEA

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 1750 – Single pair unshielded
- 1752 – Single pair shielded
- 1760 – Single triad unshielded
- 1762 – Single triad shielded
- 1770 – Multiple pair overall shield
- 1774 – Multiple pair individual and overall shield
- 1780 – Multiple triad overall shield
- 1784 – Multiple triad individual and overall shield

Cable Options

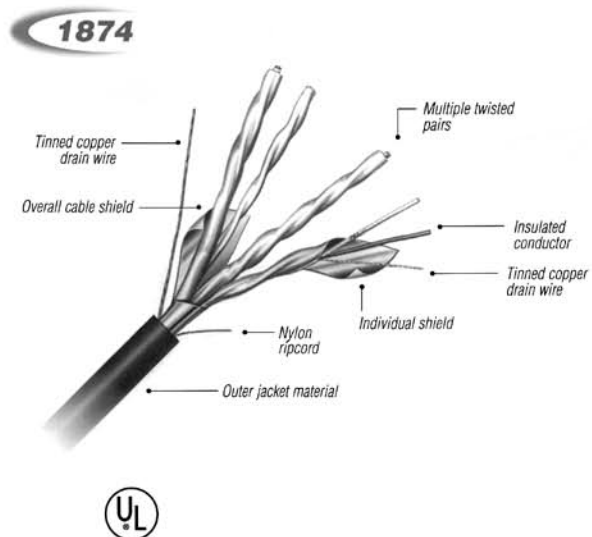
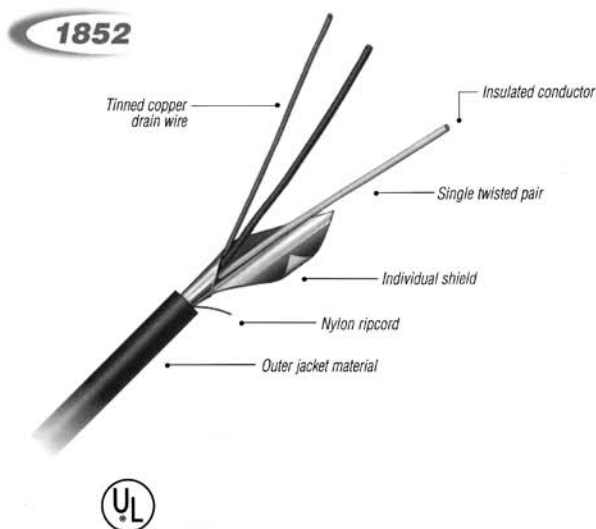
- Manufactured in accordance to ICEA. Also available to IEC, BS standards or customized configurations.
- Various metric and AWG size conductors
- Special color coding of insulation and jacket materials
- LDPE or CPE jacket

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							
			16 AWG / 1.3 mm ²		1.5 mm ²		14 AWG / 2.1 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	4.2	13.7	3.6	11.9	2.6	8.6	2.2	7.2
Mutual Capacitance										
Type 1750	pF/ft	pF/m	15	50	14	48	15	51	17	56
Type 1760	pF/ft	pF/m	15	50	14	48	15	51	17	56
Type 1752	pF/ft	pF/m	25	82	24	77	26	85	27	89
Type 1762	pF/ft	pF/m	25	82	24	77	26	85	27	89
Type 1770	pF/ft	pF/m	15	50	14	48	15	51	17	56
Type 1774	pF/ft	pF/m	25	82	24	77	26	85	27	89
Type 1780	pF/ft	pF/m	15	50	14	48	15	51	17	56
Type 1784	pF/ft	pF/m	25	82	24	77	26	85	27	89
L/R Ratio	μH/Ω	μH/Ω	23	23	27	27	36	36	42	42
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.20	0.65	0.19	0.62	0.18	0.60

Product Dimensions

Part Number	Pairs/Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 16 AWG / 1.3 mm ²							
1752-68F03	1 PR	0.341	8.7	0.060	0.090	45	1.14
1760-68F03	1 TR	0.354	9.0	0.067	0.100	45	1.14
1762-68F03	1 TR	0.370	9.4	0.075	0.112	45	1.14
1770-604F0	4 PR	0.698	17.7	0.240	0.353	60	1.52
1770-612F0	12 PR	1.129	28.7	0.620	0.923	80	2.03
1770-624F0	24 PR	1.541	39.1	1.116	1.662	80	2.03
1774-604F0	4 PR	0.733	18.6	0.283	0.422	60	1.52
1774-612F0	12 PR	1.188	30.2	0.745	1.110	80	2.03
1774-624F0	24 PR	1.627	41.3	1.360	2.026	80	2.03
Conductor Size: 1.5 mm ²							
1752-N8F03	1 PR	0.349	8.9	0.065	0.097	45	1.14
1760-N8F03	1 TR	0.363	9.2	0.072	0.108	45	1.14
1762-N8F03	1 TR	0.379	9.6	0.082	0.122	45	1.14
1770-N04F0	4 PR	0.685	17.4	0.211	0.314	60	1.52
1770-N12F0	12 PR	1.053	26.7	0.521	0.776	80	2.03
1770-N24F0	24 PR	1.394	35.4	0.918	1.367	80	2.03
1774-N04F0	4 PR	0.731	18.6	0.248	0.369	60	1.52
1774-N12F0	12 PR	1.186	30.1	0.637	0.948	80	2.03
1774-N24F0	24 PR	1.624	41.2	1.142	1.701	80	2.03
Conductor Size: 14 AWG/ 2.1 mm ²							
1752-48L03	1 PR	0.391	9.9	0.082	0.122	45	1.14
1760-48L03	1 TR	0.408	10.4	0.092	0.137	45	1.14
1762-48L03	1 TR	0.426	10.8	0.104	0.155	45	1.14
1770-404L0	4 PR	0.731	18.6	0.250	0.372	60	1.52
1770-412L0	12 PR	1.128	28.6	0.634	1.945	80	2.03
1770-424L0	24 PR	1.498	38.0	1.137	1.693	80	2.03
1774-404L0	4 PR	0.781	19.8	0.371	0.472	60	1.52
1774-412L0	12 PR	1.270	32.3	0.840	1.251	80	2.03
1774-424L0	24 PR	1.806	45.9	1.644	2.448	110	2.79
Conductor Size: 2.5 mm ²							
1752-P8L03	1 PR	0.405	10.3	0.091	0.135	45	1.14
1760-P8L03	1 TR	0.423	10.7	0.102	0.153	45	1.14
1762-P8L03	1 TR	0.442	11.2	0.116	0.172	45	1.14
1770-P04L0	4 PR	0.761	19.3	0.285	0.425	60	1.52
1770-P12L0	12 PR	1.176	29.9	0.721	1.074	80	2.03
1770-P24L0	24 PR	1.565	39.7	1.298	1.933	80	2.03
1774-P04L0	4 PR	0.812	20.6	0.338	0.503	60	1.52
1774-P12L0	12 PR	1.324	33.6	0.884	1.316	80	2.03
1774-P24L0	24 PR	1.884	47.9	1.723	2.566	110	2.79

**Description**

- Conductor 7-strand bare copper Class B
- Primary insulation. . . . 30 mils (0.8 mm) for 16 AWG
30 mils on all gauges
- Color code Black and white (pairs)
Black, white and red (triads)
- Group identification . . . Each pair/triad numbered
- Pair/triad shield (Type 1852/1862/1874/1884) 100%
coverage, an aluminum-polyester tape
shield and a 7-strand tinned copper
drain wire
- Overall shield. (Type 1870/1874/1880/1884) 100%
coverage, an aluminum-polyester
tape shield and a 7-strand tinned
copper drain wire
- Jacket Black FR-PVC

Application

- UL listed as TC
- Suitable for Class I, Division 2 and
Class II, Division 2 hazardous areas
- NEC Article 336
- 600 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 1850 – Single pair unshielded
- 1852 – Single pair shielded
- 1860 – Single triad unshielded
- 1862 – Single triad shielded
- 1870 – Multiple pair overall shield
- 1874 – Multiple pair individual and overall shield
- 1880 – Multiple triad overall shield
- 1884 – Multiple pair individual and overall shield

Cable Options

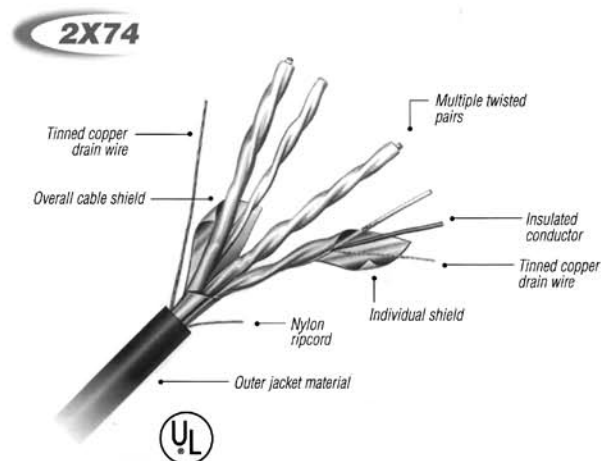
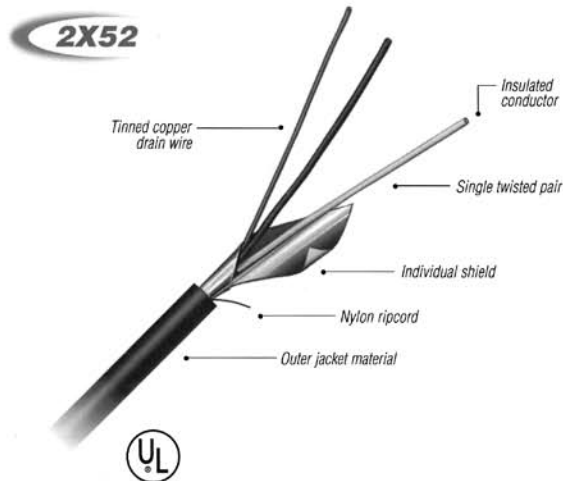
- Manufactured in accordance with UL. Also available to
ICEA, IEC, CSA, BS standards or customized configurations.
- Various metric and AWG size conductors
- Special color coding of insulation and jacket materials

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							
			16 AWG / 1.3 mm ²		1.5 mm ²		14 AWG / 2.1 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	4.2	13.7	3.6	11.9	2.7	8.6	2.2	7.2
Mutual Capacitance										
Type 1850	pF/ft	pF/m	28	93	29	95	31	102	32	106
Type 1860	pF/ft	pF/m	28	93	29	95	31	102	32	106
Type 1852	pF/ft	pF/m	43	142	45	147	49	161	52	170
Type 1862	pF/ft	pF/m	43	142	45	147	49	161	52	170
Type 1870	pF/ft	pF/m	28	93	29	95	31	102	32	106
Type 1874	pF/ft	pF/m	43	142	45	147	49	161	52	170
Type 1880	pF/ft	pF/m	28	93	29	95	31	102	32	106
Type 1884	pF/ft	pF/m	43	142	45	147	49	161	52	170
L/R Ratio	μH/Ω	μH/Ω	24	24	27	27	36	36	42	42
Inductance (L)	μH/ft	μH/m	0.2	0.66	0.19	0.64	0.18	0.62	0.18	0.60

Product Dimensions

Part Number	Pairs/Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 16 AWG / 1.3 mm ²							
1850-68L03A	1 PR	0.356	9.0	0.061	0.090	45	1.14
1860-68L03A	1 TR	0.376	9.6	0.077	0.115	45	1.14
1852-68L03A	1 PR	0.361	9.2	0.071	0.105	45	1.14
1862-68L03A	1 TR	0.381	9.8	0.087	0.130	45	1.14
1870-602LOA	2 PR	0.522	13.3	0.116	0.173	45	1.14
1870-604LOA	4 PR	0.668	17.0	0.210	0.312	60	1.52
1870-612LOA	12 PR	1.026	26.1	0.523	0.778	80	2.03
1870-624LOA	24 PR	1.356	34.4	0.925	1.378	80	2.03
1874-602LOA	2 PR	0.605	15.4	0.162	0.242	60	1.52
1874-604LOA	4 PR	0.713	18.1	0.254	0.379	60	1.52
1874-612LOA	12 PR	1.155	29.3	0.661	0.984	80	2.03
1874-624LOA	24 PR	1.580	40.1	1.195	1.780	80	2.03
Conductor Size: 1.5 mm ²							
1850-N8L03A	1 PR	0.364	9.2	0.065	0.096	45	1.14
1860-N8L03A	1 TR	0.385	9.8	0.083	0.123	45	1.14
1852-N8L03A	1 PR	0.369	9.4	0.073	0.108	45	1.14
1862-N8L03A	1 TR	0.389	10.0	0.091	0.135	45	1.14
1870-N02LOA	2 PR	0.535	13.6	0.125	0.186	45	1.14
1870-N04LOA	4 PR	0.685	17.4	0.225	0.336	60	1.52
1870-N12LOA	12 PR	1.053	26.7	0.565	0.842	80	2.03
1870-N24LOA	24 PR	1.394	35.4	1.006	1.499	80	2.03
1874-N02LOA	2 PR	0.619	15.7	0.168	0.250	60	1.52
1874-N04LOA	4 PR	0.731	18.6	0.262	0.391	60	1.52
1874-N12LOA	12 PR	1.186	30.1	0.681	1.014	80	2.03
1874-N24LOA	24 PR	1.624	41.2	1.230	1.832	80	2.03
Conductor Size: 14 AWG / 2.1 mm ²							
1850-48L03A	1 PR	0.386	9.8	0.076	0.113	45	1.14
1860-48L03A	1 TR	0.408	10.4	0.098	0.146	45	1.14
1852-48L03A	1 PR	0.391	9.9	0.086	0.128	45	1.14
1870-402LOA	2 PR	0.612	15.5	0.163	0.243	60	1.52
1870-404LOA	4 PR	0.731	18.6	0.261	0.389	60	1.52
1870-412LOA	12 PR	1.128	28.6	0.678	1.010	80	2.03
1870-424LOA	24 PR	1.498	38.0	1.230	1.832	80	2.03
1874-402LOA2	2 PR	0.659	16.7	0.190	0.283	60	1.52
1874-404LOA	4 PR	0.781	19.8	0.308	0.459	60	1.52
1874-412LOA	12 PR	1.270	32.3	0.825	1.228	80	2.03
Conductor Size: 2.5 mm ²							
1850-P8L03A	1 PR	0.400	10.2	0.083	0.124	45	1.14
1860-P8L03A	1 TR	0.423	10.7	0.109	0.162	45	1.14
1852-P8L03A	1 PR	0.405	10.3	0.095	0.142	45	1.14
1870-P02LOA	2 PR	0.635	16.1	0.179	0.266	60	1.52
1870-P04LOA	4 PR	0.761	19.3	0.290	0.432	60	1.52
1870-P12LOA	12 PR	1.176	29.9	0.761	1.133	80	2.03
1870-P24LOA	24 PR	1.565	39.7	1.390	2.070	80	2.03
1874-P02LOA	2 PR	0.684	17.4	0.209	0.311	60	1.52
1874-P04LOA	4 PR	0.812	20.6	0.343	0.510	60	1.52
1874-P12LOA	12 PR	1.324	33.6	0.924	1.376	80	2.03



Note: Substituting 3x for 2x will upgrade Insulated Single Flame performance to VW-1

Description

- Conductor 7-strand bare copper, Class B
- Primary insulation . . . 30 mils (0.8 mm) XLPE
- Color code Black and white (pairs)
Black, white and red (triads)
- Group identification . . Each pair/triad numbered
- Pair/triad shield (Type 2X52/2X62/2X74/2X84) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Overall shield (Type 2X70/2X74/2X80/2X84) 100% coverage, an aluminum-polyester tape shield and a 7-strand tinned copper drain wire
- Jacket Black FR-PVC

Application

- UL listed TC
- Excellent dielectric properties
- Good chemical and long-term moisture resistance
- NEC Article 336
- Flame retardant
- 600 volt rated insulation

Bending Radius

- $6 \times d$ (d = overall diameter)

Cable Type

- 2X50 – Single pair unshielded
- 2X52 – Single pair shielded
- 2X60 – Single triad unshielded
- 2X62 – Single triad shielded
- 2X70 – Multiple pair overall shield
- 2X74 – Multiple pair individual and overall shield
- 2X80 – Multiple triad overall shield
- 2X84 – Multiple triad individual and overall shield

Cable Options

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

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							
			16 AWG / 1.3 mm ²		1.5 mm ²		14 AWG / 2.1 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	4.4	14.5	3.8	12.4	2.7	8.8	2.3	7.5
Mutual Capacitance										
Type 2X50	pF/ft	pF/m	19	61	19	63	20	67	21	69
Type 2X52	pF/ft	pF/m	29	96	30	99	33	109	35	115
Type 2X60	pF/ft	pF/m	19	61	19	63	20	67	21	69
Type 2X62	pF/ft	pF/m	29	96	30	99	33	109	35	115
Type 2X70	pF/ft	pF/m	19	61	19	63	20	67	21	69
Type 2X74	pF/ft	pF/m	29	96	30	99	33	109	35	115
Type 2X80	pF/ft	pF/m	19	61	19	63	20	67	21	69
Type 2X84	pF/ft	pF/m	29	96	30	99	33	109	35	115
L/R Ratio	μH/Ω	μH/Ω	23	23	26	26	34	34	40	40
Inductance (L)	μH/ft	μH/m	0.2	0.66	0.2	0.64	0.18	0.61	0.18	0.60

Product Dimensions

Part Number*	Pairs/Triads	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 16 AWG / 1.3 mm ²							
2X52-69610	1 PR	0.361	9.2	0.071	0.105	45	1.14
2X62-69610	1 TR	0.392	10.0	0.089	0.132	45	1.14
2X70-60460	4 PR	0.668	17.0	0.209	0.312	60	1.52
2X70-60860	8 PR	0.839	21.3	0.348	0.518	60	1.52
2X70-61260	12 PR	1.026	26.1	0.522	0.777	80	2.03
2X70-62460	24 PR	1.356	34.4	0.923	1.374	80	2.03
2X74-60460	4 PR	0.713	18.1	0.254	0.378	60	1.52
2X74-60860	8 PR	0.959	24.4	0.472	0.703	80	2.03
2X74-61260	12 PR	1.155	29.3	0.660	0.983	80	2.03
2X74-62460	24 PR	1.580	40.1	1.193	1.777	80	2.03
Conductor Size: 1.5 mm ²							
2X52-N9610	1 PR	0.369	9.4	0.073	0.108	45	1.14
2X62-N9610	1TR	0.401	10.2	0.092	0.137	45	1.14
2X70-N0460	4 PR	0.685	17.4	0.225	0.335	60	1.52
2X70-N0860	8 PR	0.902	22.9	0.411	0.612	80	2.03
2X70-N1260	12 PR	1.053	26.7	0.595	0.886	80	2.03
2X70-N2460	24 PR	1.394	35.4	1.006	1.499	80	2.03
2X74-N0460	4 PR	0.731	18.5	0.262	0.390	60	1.52
2X74-N0860	8 PR	0.983	24.9	0.487	0.725	80	2.03
2X74-N1260	12 PR	1.180	30.1	0.680	1.013	80	2.03
2X74-N2460	24 PR	1.624	41.2	1.230	1.832	110	2.79
Conductor Size: 14 AWG / 2.1 mm ²							
2X52-49610	1 PR	0.391	9.9	0.086	0.128	45	1.14
2X62-49610	1TR	0.426	10.8	0.110	0.164	45	1.14
2X70-40460	4 PR	0.731	18.6	0.266	0.396	60	1.52
2X70-40860	8 PR	0.963	24.5	0.492	0.733	80	2.03
2X70-41260	12 PR	1.128	28.6	0.683	1.017	80	2.03
2X70-42460	24 PR	1.498	38.0	1.235	1.840	80	2.03
2X74-40460	4 PR	0.781	19.8	0.333	0.496	60	1.52
2X74-40860	8 PR	1.051	26.7	0.627	0.934	80	2.03
2X74-41260	12 PR	1.270	32.3	0.889	1.324	80	2.03
2X74-42460	24 PR	1.806	45.9	1.742	2.595	110	2.79
Conductor Size: 2.5 mm ²							
2X52-P9610	1 PR	0.405	10.3	0.095	0.142	45	1.14
2X62-P9610	1TR	0.442	11.2	0.122	0.182	45	1.14
2X70-P0460	4 PR	0.761	19.3	0.302	0.450	60	1.52
2X70-P0860	8 PR	1.003	25.5	0.555	0.827	80	2.03
2X70-P1260	12 PR	1.176	29.8	0.772	1.150	80	2.03
2X70-P2460	24 PR	1.565	39.7	1.400	2.085	80	2.03
2X74-P0460	4 PR	0.812	20.6	0.355	0.529	60	1.52
2X74-P0860	8 PR	1.093	27.8	0.662	0.986	80	2.03
2X74-P1260	12 PR	1.323	33.6	0.935	1.393	80	2.03
2X74-P2460	24 PR	1.881	47.8	1.825	2.719	110	2.79

* Part number may change and become 12 digits at time of order.