

**Description**

- Conductor 7-strand bare copper, Class B
- Insulation 15 mils (0.4 mm) PVC,
4 mils (0.1 mm) nylon for 12 and 14 AWG,
20 mils (0.5 mm) PVC,
4 mils (0.1 mm) nylon for 10 AWG,
- Color code ICEA Method 4, black and numbered
- Cable shield
(optional) 100% coverage, an aluminum-polyester
tape shield and a 7-strand tinned copper
drain wire
- Outer 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 340
- 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)

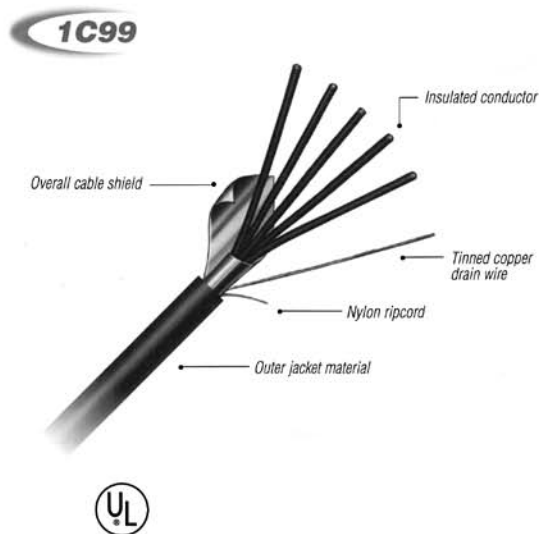
Cable Type

- 1C99 – Multiple conductor cable

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
- 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									
			14 AWG / 2.1 mm ²		12 AWG / 3.3 mm ²		10 AWG / 5.3 mm ²		1.5 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	2.6	8.6	1.7	5.5	1.0	3.4	3.6	11.9	2.2	7.2
L/R Ratio	μH/Ω	μH/Ω	31	31	47	47	75	75	24	24	37	37
Inductance (L)	μH/ft	μH/m	0.17	0.54	0.16	0.52	0.16	0.51	0.17	0.57	0.16	0.53

Product Dimensions

Part Number*	Conductors	Nominal Outer Diameter		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 14 AWG / 2.1 mm ²							
1C99-4020L	2	0.340	8.6	0.073	0.109	45	1.14
1C99-4030L	3	0.364	9.2	0.092	0.137	45	1.14
1C99-4050L	5	0.426	10.8	0.132	0.196	45	1.14
1C99-4070L	7	0.461	11.7	0.169	0.251	45	1.14
1C99-4090L	9	0.531	13.5	0.209	0.312	45	1.14
1C99-4120L	12	0.634	16.1	0.290	0.431	60	1.52
1C99-4190L	19	0.731	18.6	0.420	0.625	60	1.52
Conductor Size: 12 AWG / 3.3 mm ²							
1C99-7020L	2	0.377	9.6	0.093	0.139	45	1.14
1C99-7030L	3	0.405	10.3	0.121	0.180	45	1.14
1C99-7050L	5	0.477	12.1	0.179	0.266	45	1.14
1C99-7070L	7	0.518	13.2	0.233	0.347	45	1.14
1C99-7090L	9	0.639	16.2	0.315	0.469	60	1.52
1C99-7120L	12	0.713	18.1	0.400	0.596	60	1.52
1C99-7190L	19	0.826	21.0	0.591	0.880	60	1.52
Conductor Size: 10 AWG / 5.5 mm ²							
1C99-5021L	2	0.443	11.2	0.129	0.192	45	1.14
1C99-5031L	3	0.478	12.1	0.172	0.257	45	1.14
1C99-5051L	5	0.609	15.5	0.283	0.422	60	1.52
1C99-5071L	7	0.660	16.8	0.369	0.550	60	1.52
1C99-5091L	9	0.762	19.3	0.463	0.689	60	1.52
1C99-5121L	12	0.855	21.7	0.594	0.885	60	1.52
1C99-5191L	19	1.036	26.3	0.928	1.383	80	2.03
Conductor Size: 1.5 mm ²							
1C99-N021L	2	0.318	8.1	0.063	0.094	45	1.14
1C99-N031L	3	0.340	8.6	0.079	0.117	45	1.14
1C99-N050L	5	0.396	10.1	0.110	0.164	45	1.14
1C99-N070L	7	0.428	10.9	0.138	0.206	45	1.14
1C99-N090L	9	0.491	12.5	0.171	0.254	45	1.14
1C99-N120L	12	0.588	14.9	0.236	0.352	60	1.52
1C99-N190L	19	0.676	17.2	0.338	0.503	60	1.52
Conductor Size: 2.5 mm ²							
1C99-P020L	2	0.353	9.0	0.087	0.130	45	1.14
1C99-P030L	3	0.379	9.6	0.109	0.163	45	1.14
1C99-P050L	5	0.445	11.3	0.155	0.231	45	1.14
1C99-P070L	7	0.482	12.2	0.198	0.295	45	1.14
1C99-P090L	9	0.596	15.1	0.267	0.397	60	1.52
1C99-P120L	12	0.663	16.8	0.335	0.499	60	1.52
1C99-P190L	19	0.766	19.5	0.485	0.723	60	1.52

* Add -2B0 for conductor color coding per ICEA Method 3, Table K-2.
Change ninth digit in part number to 0 for shielded cable.

**Description**

- Conductor 7-strand bare copper, Class B
- Insulation 25 mils (0.6 mm) for 16 AWG
30 mils (0.8 mm) for 14 AWG
and larger, polyethylene
- Color code ICEA Method 4, black and numbered
- Cable shield
(optional) 100% coverage, an aluminum polyester
tape shield and a 7-strand tinned copper
drain wire
- Outer 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)

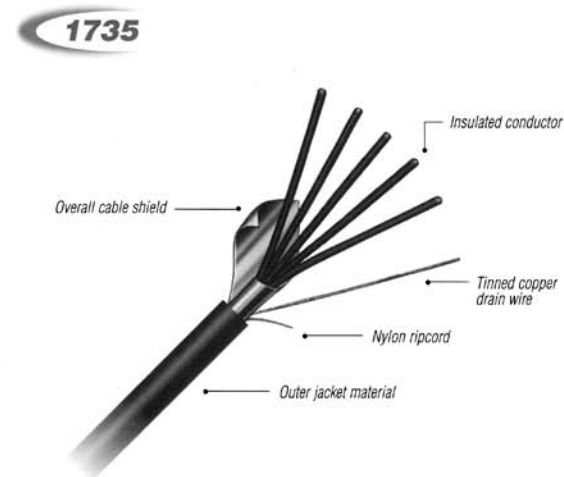
Cable Type

- 1735 – Multiple conductor cable

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									
			16 AWG / 1.3 mm ²	14 AWG / 2.1 mm ²	12 AWG / 3.3 mm ²	10 AWG / 5.3 mm ²	2.5 mm ²					
Resistance (R)	Ω/Mft	Ω/km	4.2	13.7	2.6	8.6	1.7	5.5	1.0	3.4	2.2	7.2
L/R Ratio	μH/Ω	μH/Ω	23	23	36	36	53	53	80	80	42	42
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.19	0.62	0.18	0.58	0.18	0.58	0.18	0.61

Product Dimensions

Part Number*	Conductors	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 16 AWG / 1.3 mm ²							
1735-603FL	3	0.352	8.9	0.065	0.096	45	1.14
1735-605FL	5	0.413	10.5	0.093	0.139	45	1.14
1735-607FL	7	0.447	11.4	0.119	0.177	45	1.14
1735-609FL	9	0.515	13.1	0.148	0.221	45	1.14
1735-612FL	12	0.617	15.7	0.211	0.314	60	1.52
Conductor Size: 14 AWG / 2.1 mm ²							
1735-40300	3	0.411	10.4	0.099	0.147	45	1.14
1735-40500	5	0.475	12.3	0.141	0.210	45	1.14
1735-40700	7	0.527	13.4	0.180	0.269	45	1.14
1735-40900	9	0.650	16.5	0.248	0.370	60	1.52
1735-41200	12	0.726	18.4	0.311	0.463	60	1.52
Conductor Size: 12 AWG / 3.1 mm ²							
1735-70300	3	0.452	11.5	0.128	0.191	45	1.14
1735-70500	5	0.537	13.6	0.189	0.281	60	1.52
1735-70700	7	0.624	15.8	0.268	0.399	60	1.52
1735-70900	9	0.719	18.3	0.333	0.496	60	1.52
1735-71200	12	0.805	20.4	0.422	0.629	60	1.52
Conductor Size: 10 AWG / 5.3 mm ²							
1735-B0300	3	0.466	11.8	0.130	0.194	45	1.14
1735-B0500	5	0.642	16.3	0.284	0.423	60	1.52
1735-B0700	7	0.696	17.7	0.369	0.550	60	1.52
1735-B0900	9	0.806	20.5	0.462	0.688	60	1.52
1735-B1200	12	0.945	24.0	0.628	0.935	80	2.03
Conductor Size: 2.5 mm ²							
1735-P0300	3	0.427	10.8	0.116	0.173	45	1.14
1735-P0500	5	0.504	12.8	0.165	0.246	45	1.14
1735-P0700	7	0.588	14.9	0.232	0.345	60	1.52
1735-P0900	9	0.676	17.2	0.285	0.424	60	1.52
1735-P1200	12	0.755	19.1	0.356	0.531	60	1.52

* Add -2B0 for conductor color coding per ICEA Method 3, Table K-2.
Change ninth digit in part number to 0 for a shielded cable.

**Description**

- Conductor 7-strand bare copper, Class B
- Primary insulation. . . 30 mils (0.8 mm) XLPE
- Color code ICEA Method 4, black and numbered
- Cable shield
(optional) 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
- Flame retardant
- Ideal for a variety of applications in the chemical process industries, and utilities including fossil fuels and nuclear power generating stations
- 600 volt rated insulation per UL

Bending Radius

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

Cable Type

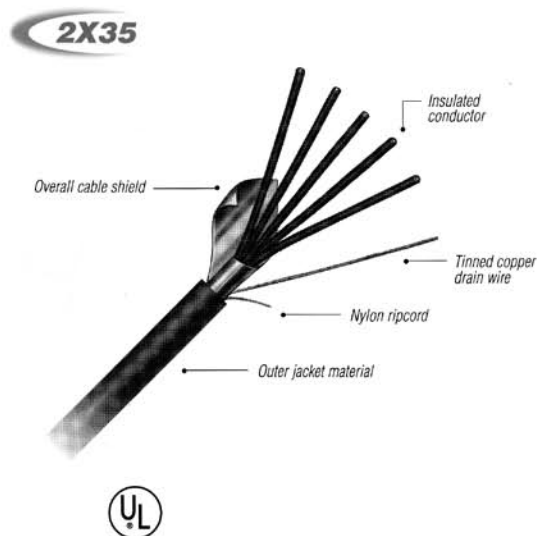
- 2X35 – Multiple conductor cable

Cable Options

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

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



Electrical Properties	Units		Conductor Size							
			14 AWG / 2.1 mm ²		12 AWG / 3.3 mm ²		10 AWG / 5.3 mm ²		2.5 mm ²	
Resistance (R)	Ω/Mft	Ω/km	2.7	9.0	1.7	5.6	1.1	3.5	2.3	7.5
L/R Ratio	μH/Ω	μH/Ω	34	34	51	51	77	77	40	40
Inductance (L)	μH/ft	μH/m	0.19	0.62	0.18	0.58	0.17	0.54	0.18	0.61

Product Dimensions

Part Number	Conductors	Nominal O.D.		Weight		Jacket Thickness	
		in	mm	lb/ft	kg/m	mils	mm
Conductor Size: 14 AWG / 2.1 mm ²							
2X35-40360	3	0.411	10.4	0.105	0.156	45	1.14
2X35-40560	5	0.485	12.3	0.151	0.225	45	1.14
2X35-40760	7	0.527	13.4	0.194	0.289	45	1.14
2X35-40960	9	0.650	16.5	0.265	0.395	60	1.52
2X35-41260	12	0.726	18.4	0.334	0.497	60	1.52
Conductor Size: 12 AWG / 3.3 mm ²							
2X35-70360	3	0.452	11.5	0.135	0.201	45	1.14
2X35-70560	5	0.537	13.6	0.200	0.298	45	1.14
2X35-70760	7	0.624	15.8	0.284	0.422	60	1.52
2X35-70960	9	0.719	18.3	0.353	0.526	60	1.52
2X35-71260	12	0.805	20.4	0.449	0.669	60	1.52
Conductor Size: 10 AWG / 5.3 mm ²							
2X35-B0360	3	0.504	12.8	0.181	0.269	45	1.14
2X35-B0560	5	0.642	16.3	0.298	0.443	60	1.52
2X35-B0760	7	0.696	17.7	0.388	0.578	60	1.52
2X35-B0960	9	0.806	20.5	0.486	0.724	60	1.52
2X35-B1260	12	0.945	24.0	0.660	0.983	80	2.03
Conductor Size: 2.5 mm ²							
2X35-P0360	3	0.427	10.8	0.123	0.183	45	1.14
2X35-P0560	5	0.504	12.8	0.175	0.261	45	1.14
2X35-P0760	7	0.588	14.9	0.246	0.366	60	1.52
2X35-P0960	9	0.676	17.2	0.303	0.451	60	1.52
2X35-P1260	12	0.755	19.2	0.381	0.567	60	1.52