

**600 Volt Thermoplastic PVC/Nylon – Dekabon**



**Description**

- Conductor . . . . . 7-strand bare copper, Class B
- Primary insulation. . . . . 15 mils (0.4 mm) FR-PVC, 4 mils (0.1 mm) nylon
- Color code . . . . . ICEA Method 4, black and numbered
- Cable shield (optional) . . . . . (Type 1C98) 100% coverage, an aluminum-polyester tape and a 7-strand tinned copper drain wire
- Inner jacket. . . . . Black FR-PVC
- Dekabon layer . . . . . An aluminum tape 8 mils (0.2 mm) thick, coated on both sides with a protective polymer 2 mils (0.05 mm) thick
- Outer jacket . . . . . Dekabon – Black CPE

**Application**

- Offers resistance to a wide range of chemicals, including acids, alkalis, alcohol, petroleum and mineral oils
- 600 volt rated insulation
- Suitable for direct burial

**Bending Radius**

- 12 x d (d = overall diameter)

**Cable Type**

- 1C98 – Multiple conductor cable

**Cable Options**

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

*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 <sup>2</sup>		14 AWG / 2.1 mm <sup>2</sup>		2.5 mm <sup>2</sup>	
Resistance (R)	Ω/Mft	Ω/km	4.2	13.7	2.6	8.6	2.2	7.2
L/R Ratio	μH/Ω	μH/Ω	21	21	31	31	37	37
Inductance (L)	μH/ft	μH/m	0.18	0.58	0.17	0.54	0.16	0.53

## Product Dimensions

Part Number	Conductors	Diameter Under Armor		Nominal O.D.		Weight		Jacket Thickness	
		in	mm	in	mm	lb/ft	kg/m	mils	mm
<b>Conductor Size: 16 AWG / 1.3 mm<sup>2</sup></b>									
1C98-6050S	5	0.386	9.8	0.546	13.9	0.258	0.384	50	1.27
1C98-6070S	7	0.416	10.6	0.576	14.6	0.297	0.442	50	1.27
1C98-6090S	9	0.477	12.1	0.667	16.9	0.407	0.606	65	1.65
1C98-6120S	12	0.532	13.5	0.722	18.3	0.509	0.758	65	1.65
1C98-6190S	19	0.656	16.7	0.846	21.5	0.760	1.132	65	1.65
<b>Conductor Size: 14 AWG / 2.1 mm<sup>2</sup></b>									
1C98-4050S	5	0.426	10.8	0.616	15.6	0.316	0.471	65	1.65
1C98-4070S	7	0.461	11.7	0.651	16.5	0.436	0.650	65	1.65
1C98-4090S	9	0.531	13.5	0.721	18.3	0.549	0.817	65	1.65
1C98-4120S	12	0.634	16.1	0.824	20.9	0.770	1.146	65	1.65
1C98-4190S	19	0.731	18.6	0.921	23.4	0.973	1.450	65	1.65
<b>Conductor Size: 2.5 mm<sup>2</sup></b>									
1C98-P050S	5	0.445	11.3	0.635	16.1	0.394	0.591	65	1.65
1C98-P070S	7	0.482	12.2	0.672	17.1	0.490	0.626	65	1.65
1C98-P090S	9	0.596	15.1	0.786	20.0	0.580	0.769	65	1.65
1C98-P120S	12	0.663	16.8	0.853	21.7	0.816	0.842	65	1.65
1C98-P190S	19	0.766	19.5	0.956	24.3	1.095	0.967	65	1.65