

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 ²		14 AWG / 2.1 mm ²		2.5 mm ²	
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
Conductor Size: 16 AWG / 1.3 mm²									
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
Conductor Size: 14 AWG / 2.1 mm²									
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
Conductor Size: 2.5 mm²									
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