



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 x 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 mm²								
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 mm²								
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 mm²								
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.