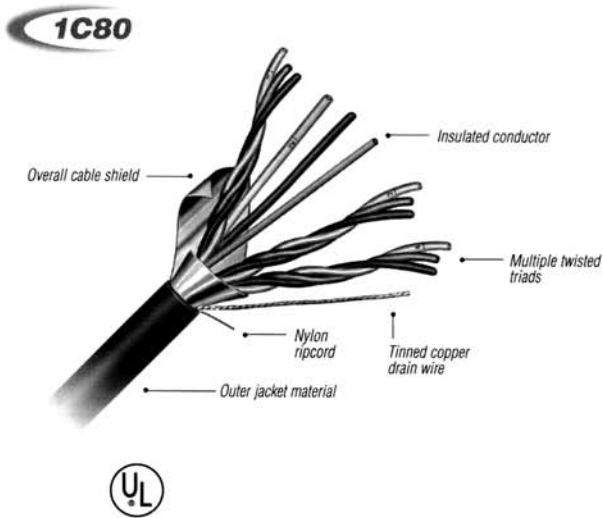


600 Volt Thermoplastic PVC/Nylon (Multiple Triad)



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, alkalis, 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)

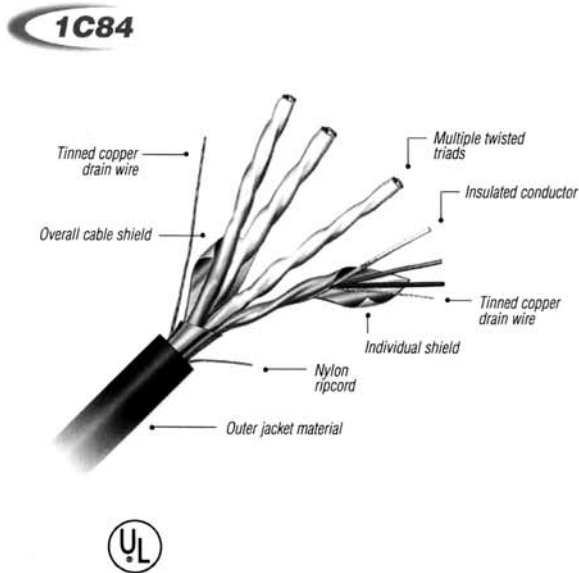
Cable Type

- 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 mm²							
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 mm²							
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.