

INSTRUMENTATION CABLE

PVIC™* - Single Pair & Triads
Shielded & Non-Shielded
105°C - 300 Volt - PLTC/ITC



CONSTRUCTION	
Conductor:	- 7 strand bare copper
Insulation:	- PVC
Shield:	- Aluminum/polyester tape
Drain Wire:	- Stranded tinned copper
Color Code:	- Pairs: Black and White - Triads: Black, White, and Red
Color Code Chart:	Type Color Pairs Black, White Triads Black, White, Red
Jacket:	- Sunlight-resistant Polyvinyl Chloride (PVC)

Applications:

Process instrumentation requiring multi-pairs Power Limited Tray Cable (PLTC) & Instrumentation Tray Cable (ITC)

Acceptable in Class 1 Division 2 hazardous areas per NEC Article 501-4(b) for UL Type PLTC/ITC cables

Approvals:

UL Type PLTC/ITC - 300 Volt

IEEE 383 Flame Test (70,000 BTU/hr)

UL Listed Subject 13 (70,000 BTU/hr) for PLTC

UL Listed Subject 2250 (70,000 BTU/hr) for ITC

OSHA Acceptable

Part #	AWG Size	No. of Pairs	No. of Triads	Nom. Insul. Thick.	Nom. Jacket Thick	Nom. O.D.	Lbs./M'''	Recommended Fitting
Nonshielded (Non Standard)								
K11602	16	1	-	.015"	.040"	.255"	39	TCF05027A
K11802	18	1	-	.015"	.040"	.225"	29	TCF05027A
K12002	20	1	-	.012"	.040"	.213"	24	TCF05027A
K21603	16	-	1	.015"	.040"	.282"	49	TCF05040A
K21803	18	-	1	.015"	.040"	.245"	38	TCF05027A

Part #	AWG Size	No. of Pairs	No. of Triads	Nom. Insul. Thick.	Nom. Jacket Thick	Nom. O.D.	Lbs./M'''	Recommended Fitting
K22003	20	-	1	.012"	.040"	.222"	29	TCF05027A
Shielded								
K31602	16	1	-	.015"	.040"	.273"	44	TCF05027A
K31602-05*	16	1	-	.015"	.040"	.273"	44	
K31802	18	1	-	.015"	.040"	.240"	35	
K32002	20	1	-	.012"	.040"	.220"	28	
K41603	16	-	1	.015"	.040"	.297"	58	TCF05040A
K41803	18	-	1	.015"	.040"	.264"	44	TCF05027A
K42003	20	-	1	.012"	.040"	.241"	34	TCF05027A

Note: The data shown are approximate and subject to standard industry and manufacturer tolerances.

*K31602-05 has color code of Blue.