

# INSTRUMENTATION CABLE

600 VOLT - 90°C - FREP - CPE - OVERALL SHIELD & EACH PAIR/ OR EACH TRIAD SHIELDED PLUS OVERALL SHIELD (SPOS OR STOS) - TYPE TC

## Construction

### Conductor:

- Tinned annealed copper.

### Insulation:

- Color coded, flame-retardant ethylene propylene rubber (EPR) - VW1.

### Color Code (Per ICEA Method 1):

- Pairs - Black & White and numbered.
- Triads - Black, White, Red and numbered.
- Aluminum/mylar with tinned copper drain wire.

### Cable Core:

- Conductor components are cabled with non-hygroscopic, flame-retardant fillers as necessary and an overall binder tape.

### Overall Jacket:

- Flame-retardant chlorinated polyethylene (CPE).

### Temperature Rating:

- (UL) 90°C Dry; 75°C Wet.
- ICEA 90°C Dry or Wet.

### Advantages:

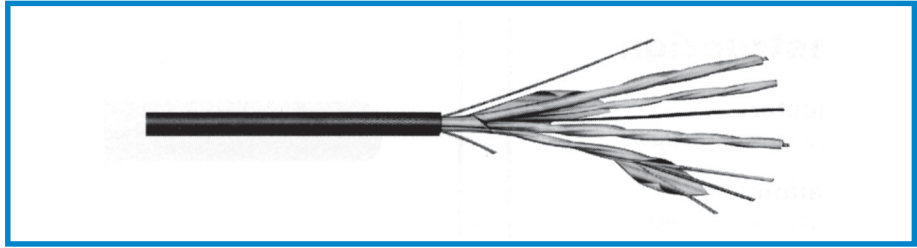
- Excellent electrical, thermal, flame and physical properties.
- Excellent moisture resistance.
- Excellent resistance to crushing.
- Excellent low temperature cold bend characteristics.
- Excellent flame resistance - burns to an ash; does not exhibit "thermo plastic drip."
- (UL) oil resistant.

### Approvals:

- (UL) Type TC.
- ICEA S-68-516.
- OSHA acceptable.
- Meet the following Flame Tests:
  - IEEE 383 (70,000 BTU/hr).
  - UL 1277 (70,000 BTU/hr).
  - ICEA T-29-520 (210,000 BTU/hr) vertical cable tray flame tests.

### Applications:

- In free air, all raceways or direct burial.
- In wet or dry locations.
- At temperatures as low as -35°C.
- Permitted for use in Class 1 Division 2 industrial hazardous locations per NEC Article 501-4(b).

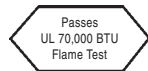
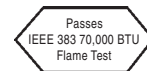


CUSTOM CATALOG NUMBER	SIZE	NUMBER OF PAIRS	NOMINAL THICKNESS (INCHES)		NOMINAL O.D.	NOMINAL WEIGHT
	AWG/MCM		INSULATION	JACKET	INCHES	LBS/MFT
<b>OVERALL SHIELD</b>						
44600	18	2 cond.	0.025	0.060	0.330	50
44700	18	3 cond.	0.025	0.060	0.350	60
44630	16	2 cond.	0.025	0.060	0.360	57
44730	16	3 cond.	0.025	0.060	0.400	67
44632	16	4 cond.	0.025	0.060	0.480	86
<b>SHIELDED PAIRS PLUS OVERALL SHIELD (SPOS)</b>						
44803	18	3	0.025	0.060	0.560	119
44804	18	4	0.025	0.060	0.586	152
44808	18	8	0.025	0.060	0.751	259
44812	18	12	0.025	0.080	0.948	398
44814	18	16	0.025	0.080	1.050	502
44816	18	20	0.025	0.080	1.140	603
44818	18	24	0.025	0.080	1.250	709
44820	18	36	0.025	0.080	1.470	1008
44832	16	2	0.025	0.045	0.516	103
44833	16	3	0.025	0.080	0.577	146
44834	16	4	0.025	0.060	0.637	189
44836	16	6	0.025	0.060	0.729	260
44837	16	7	0.025	0.080	0.775	295
44838	16	8	0.025	0.080	0.821	330
44840	16	10	0.025	0.080	0.931	418
44842	16	12	0.025	0.080	1.040	506
44844	16	16	0.025	0.080	1.150	643
44848	16	24	0.025	0.080	1.380	916
<b>SHIELDED TRIADS PLUS OVERALL SHIELD (STOS)</b>						
44934	16	4 triad	0.025	0.060	0.725	261
44936	16	6 triad	0.025	0.060	0.850	396
44938	16	8 triad	0.025	0.080	0.975	530
44942	16	12 triad	0.025	0.080	1.180	721

NOTE: Please consult factory for other pair or triad combinations. Also available with overall shield only.

S

# Custom Cable Corp.



242 Butler Street • Westbury, New York 11590-3193 • Tel: (516) 334-3600 • Toll Free: (800) 832-3600 • FAX: (516) 334-3989

www.customwireandcable.com • email: sales@customwireandcable.com