

INSTRUMENTATION CABLE

FREP@Multiple Pairs
CPE Jacket -FR-EP Insulation
Individual & Overall Shield



CONSTRUCTION	
Conductor	- 7 strand soft drawn tinned copper, Class B per ASTM B8 and B33
Insulation	- Flame-retardant Ethylene-Propylene-rubber
Individual Shield	- Aluminum/Mylar shielding tape
Drain Wire	- Tinned copper applied helically over core and twisted pairs
Overall Shield	- Aluminum/Mylar shielding tape
Jacket	- Chlorinated Polyethylene (CPE)
Ripcord	- Nylon

Applications:

- Process instrumentation applications where resistance to Moisture, chemicals, Thermal stability, and physical durability are essential
- Used in high performance applications where reliability is essential

Standards:

- Rated 90C Wet or Dry
- UL Type TC
- ICEA S-82-552 -600 Volt
- IEEE 1202 (70,000 BTU/hr) / CSA FT4
- ICEA T-29-520-(210,000 BTU/hr)
- UL Subject 1277 (70,000 BTU/hr)
- OSHA Acceptable

Part #	AWG	Pairs	Insulation Thickness	Jacket Thickness	Nom. O.D.	Lbs./M'
AF61801	18	1	.025"	.045"	.30"	42
AF61802	18	2	.025"	.045"	.473"	83
AF61804	18	4	.025"	.060"	.586"	152
AF61806	18	6	.025"	.060"	.669"	206
AF61808	18	8	.025"	.060"	.751"	259
AF61812	18	12	.025"	.080"	.948"	398
AF61816	18	16	.025"	.080"	1.05"	502
AF61818	18	18	.025"	.080"	1.10"	450
AF61820	18	20	.025"	.080"	.948"	623
AF61824	18	24	.025"	.080"	1.25"	709
AF61836	18	36	.025"	.080"	1.47"	1008
AF61850	18	50	.025"	.110"	1.76"	1454
AF61601	16	1	.025"	.045"	.320"	52
AF61602	16	2	.025"	.045"	.516"	103
AF61603	16	3	.025"	.060"	.591"	151
AF61604	16	4	.025"	.060"	.650"	189
AF61606	16	6	.025"	.080"	.755"	268
AF61608	16	8	.025"	.060"	.840"	330
AF61612	16	12	.025"	.080"	1.07"	506
AF61616	16	16	.025"	.080"	1.19"	643
AF61620	16	20	.025"	.080"	1.25"	777
AF61624	16	24	.025"	.080"	1.38"	932

COLOR CODE CHART	
Pairs	Color
1	Black, White & Numbered
2	Black, White & Numbered
3	Black, White & Numbered
4	Black, White & Numbered
5	Black, White & Numbered
6	Black, White & Numbered
7	Black, White & Numbered
8	Black, White & Numbered
9	Black, White & Numbered
10	Black, White & Numbered
11	Black, White & Numbered
12	Black, White & Numbered
13	Black, White & Numbered
14	Black, White & Numbered
15	Black, White & Numbered
16	Black, White & Numbered
17	Black, White & Numbered
18	Black, White & Numbered
19	Black, White & Numbered
20	Black, White & Numbered
21	Black, White & Numbered
22	Black, White & Numbered
23	Black, White & Numbered
24	Black, White & Numbered
25	Black, White & Numbered

Part #	AWG	Pairs	Insulation Thickness	Jacket Thickness	Nom. O.D.	Lbs./M'
AF61636	16	36	.025"	.080"	1.62"	1312
AF61650	16	50	.025"	.110"	1.93"	1883

*Fittings are available for these products.

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

** Part number AF61801 does NOT have individually shielded pairs, only overall shielded pairs.