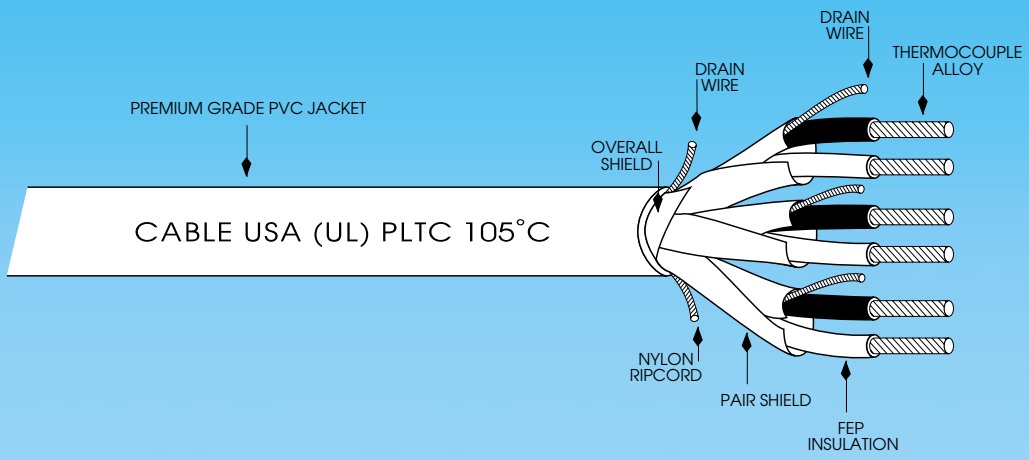
FEPV

THERMOCOUPLE EXTENSION CABLE SHIELDED PAIRS PLTC

300V



This specification covers **Cable USA** multi-pair thermocouple extension cable with **shielded pairs** with an **overall shield**, **FEP** insulation with a premium grade PVC jacket. This cable is intended for use on Class 2 Power Limited Circuits as described in Article 725 of the National Electrical Code. The cable is constructed in accordance with the Standard for Power Limited Circuit Cable, UL 13. May be installed in wet or dry locations and is permitted for use in Class I, Division II hazardous locations per NEC Article 501-4(b). A 22 AWG orange communications wire may be provided for 4 pair and larger for signaling during installation and servicing. FEP insulation is chemically inert and provides excellent electrical and mechanical properties. A nylon ripcord, applied longitudinally under the overall jacket, facilitates jacket removal. Flame-retardant premium grade PVC jacket provides a low-cost, oil and sunlight resistant jacket with good mechanical properties. **Cable USA FEP/PVC** thermocouple extension cable is available with **Cableclad** interlocked aluminum or galvanized interlocked armor, with or without an overall jacket.

PRODUCT FEATURES:

- **Calibration:** Annealed, solid or stranded thermocouple extension grade alloy calibrated to standard limits of error per ANSI MC96.1 latest revision. Available in 14-24 AWG. Special limits of error are available.
- **Insulation:** Extruded **FEP** (200°C). Negative conductor is red and positive conductor and overall jacket is color coded per ANSI MC96.1.
- **Cable Core:** Conductor components are cabled with suitable fillers to make round and a binder tape.
- **Shield:** Each pair is individually shielded with a drain wire. Shielding material is polyester backed with aluminum which provides 100% shield coverage. The shield overlaps to assure continual coverage during flexing applications. Overall shield is polyester backed with aluminum with a drain wire.
- **Jacket:** Flame retardant PVC which meets UL VW-1 Flame Test.
- **Interlocked Armor:** (Optional) **Cableclad** Zinc coated galvanized steel or aluminum strip turned and "interlocked" with the preceding turn.
- **Outer Jacket:** (Optional) Flame retardant polyvinyl chloride passes UL VW-1 Vertical Wire Flame Test.

FEPV

THERMOCOUPLE EXTENSION CABLE SHIELDED PAIRS PLTC

300V

FEP/INDIVIDUALLY SHIELDED PAIRS/OVERALL SHIELD/POLYVINYL CHLORIDE (PVC) JACKET

#14-24 AWG 105°C 300V

20 7/28 (.50MM²)

Cable USA P/N	Number of Pairs	Nominal O.D. Inches	Nominal O.D. MM	Approx. Wt. LBS/MFT	Approx. Wt. KG/KM
192004C3	2	.255	6.48	42	62
192008C3	4	.301	7.65	74	110
192016C3	8	.374	9.50	128	190
192024C3	12	.457	11.61	190	283
192032C3	16	.509	12.93	243	362
192040C3	20	.529	13.44	294	437
192048C3	24	.597	15.16	349	519
192072C3	36	.695	17.65	514	765

TYPE AND COLOR PER ANSI MC96.1

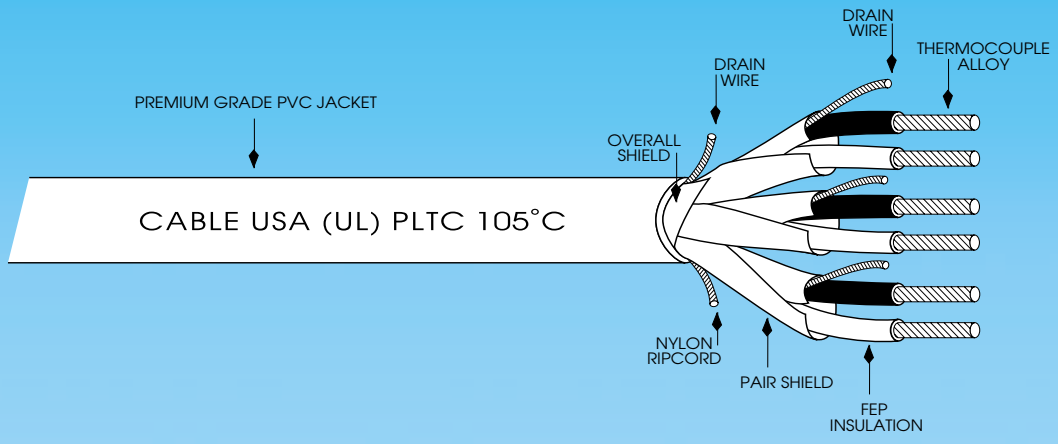
Type	Positive	Color	Negative	Color	Jacket Color
KX	CHROMEL	YELLOW	ALUMEL	RED	YELLOW
JX	IRON	WHITE	CONSTANTAN	RED	BLACK
EX	CHROMEL	VIOLET	CONSTANTAN	RED	VIOLET
BX	COPPER	GRAY	COPPER	RED	GRAY
RSX	COPPER	BLACK	COPPER ALLOY	RED	GREEN
TX	COPPER	BLUE	CONSTANTAN	RED	BLUE
NX	NICROSIL	ORANGE	NISIL	RED	ORANGE

(UL) Type PLTC — 300V NEC Article 725.
Above pairings are standard. Alternative number of pairs available upon request.
Thermocouple calibration may be changed accordingly when placing an order.
Special limits of error available.

FEPV

THERMOCOUPLE EXTENSION CABLE OVERALL SHIELD PLTC

300V



This specification covers **Cable USA** multi-pair thermocouple extension cable with an **overall shield** and FEP insulation with a premium grade PVC jacket. This cable is intended for use on Class 2 Power Limited Circuits as described in Article 725 of the National Electrical Code. The cable is constructed in accordance with the Standard for Power Limited Circuit Cable, UL 13. May be installed in wet or dry locations and is permitted for use in Class I Division II hazardous locations per NEC Article 501-4(b). A 22 AWG orange communications wire may be provided for 4 pair and larger for signaling during installation and servicing. FEP insulation is chemically inert and provides excellent electrical and mechanical properties. A nylon ripcord, applied longitudinally under the overall jacket, facilitates jacket removal. Flame-retardant premium grade PVC jacket provides a low-cost, oil and sunlight resistant jacket with good mechanical properties. **Cable USA FEP/PVC** thermocouple extension cable is available with **Cableclad** interlocked aluminum or galvanized interlocked armor, with or without an overall jacket.

PRODUCT FEATURES:

- **Calibration:** Annealed, solid thermocouple extension grade alloy calibrated to standard limits of error per ANSI-MC96.1 latest revision. Available in 24-14 AWG. Special limits of error are available.
- **Insulation:** Extruded **FEP** (200°C). Negative conductor is red and positive conductor and overall jacket is color coded per ANSI MC96.1.
- **Cable Core:** Conductor components are cabled together with suitable fillers to make round and a binder tape.
- **Shield:** Overall polyester backed aluminum with drain wire. The shield overlaps to assure continual coverage during flexing.
- **Jacket:** Flame retardant PVC which meets UL VW-1 Flame Test.
- **Interlocked Armor:** (Optional) **Cableclad** Zinc coated galvanized steel or aluminum strip turned and "interlocked" with the preceding turn.
- **Outer Jacket:** (Optional) Flame retardant polyvinyl chloride passes UL VW-1 Vertical Flame Test.

Cable USA, Inc.
2584 So. Horseshoe Dr. / Naples, Florida 34104-6131 / (239) 643-6400 / Fax (239) 643-4230
World Wide Web: http://www.cableusainc.com / E-mail: sales@cableusa.cc

FEPV

SHIELDED THERMOCOUPLE EXTENSION CABLE PLTC

300V

FEP/OVERALL SHIELD/PREMIUM GRADE POLYVINYL CHLORIDE (PVC) INSULATION

#14-24 AWG 105°C 300V

20 7/28 (.50MM²)

Cable USA P/N	Number of Pairs	Nominal O.D. Inches	Nominal O.D. MM	Approx. Wt. LBS/MFT	Approx. Wt. KG/KM
192004F3	2	.248	6.30	35	52
192008F3	4	.293	7.44	62	92
192016F3	8	.363	9.22	104	155
192024F3	12	.443	11.25	154	229
192032F3	16	.493	12.52	196	292
192040F3	20	.513	13.03	234	348
192048F3	24	.578	14.68	278	414
192072F3	36	.673	17.09	408	607

TYPE AND COLOR PER ANSI MC96.1

Type	Positive	Color	Negative	Color	Jacket Color
KX	CHROMEL	YELLOW	ALUMEL	RED	YELLOW
JX	IRON	WHITE	CONSTANTAN	RED	BLACK
EX	CHROMEL	VIOLET	CONSTANTAN	RED	VIOLET
BX	COPPER	GRAY	COPPER	RED	GRAY
RSX	COPPER	BLACK	COPPER ALLOY	RED	GREEN
TX	COPPER	BLUE	CONSTANTAN	RED	BLUE
NX	NICROSIL	ORANGE	NISIL	RED	ORANGE

(UL) Type PLTC — 300V NEC Article 725.
Above pairings are standard. Alternative number of pairs available upon request.

Thermocouple calibration may be changed accordingly when placing an order.
Special limits of error available.