



**Classic Interconnect Cables  
Industrial and Machine Grade**



**Unshielded Multi-Core Cables – PVC Insulation**

**APPLICATIONS::** Control, Instrumentation, Low Voltage Power, Audio, Speaker, and Communication Circuits.

**CONSTRUCTION:** Tinned high-conductivity copper conductors, color coded PVC Insulation, cabled, overall PVC jacket.

**COMPLIANCE:** Cables are manufactured to meet the requirements of industrial applications and those of manual bench assembly or automated assembly operations. Cables are manufactured to AWM standards where indicated.

**Unshielded, PVC Insulated, Non-Plenum Cabled Multiconductor**

CONSTR.	AWG	STR.	MAT'L INS / JKT	STYLES / TYPES	TEMP. RATINGS	VOLT RATING (RMS)	NOM DIA (IN)	APPROX WEIGHT LBS/MFT	TAPPAN SPEC #
<b>22 AWG</b>									
1 Pair	22	7 TC	PVC / PVC	CMR	-20C / +60C	300V	0.170	15.0	R20786
3 Cond.	22	7 TC	PVC / PVC	CMR AWM 2576	-20C / +60C -20C / +80C	300V 150V	0.172	18.0	R21158
4 Cond.	22	7 TC	PVC / PVC	CMR AWM 2576	-20C / +60C -20C / +80C	300V 150V	0.185	22.0	R20787
<b>20 AWG</b>									
7 Cond.	20	19 TC	PVC / PVC	CMR AWM 2464	-20C / +80C -20C / +80C	300V 300V	0.260	51.0	R30242
<b>18 AWG</b>									
1 Pair	18	19 TC	PVC / PVC	CMR AWM 2464	-20C / +80C -20C / +80C	300V 300V	0.210	24.0	R41006
4 Cond.	18	19 TC	PVC / PVC	CMR AWM 2598	-20C / +60C -20C / +60C	300V 300V	0.257	46.0	R41184
<b>16 AWG</b>									
1 Pair	16	19 TC	PVC / PVC	CMR AWM 2598	-20C / +80C -20C / +60C	300V 300V	0.274	24.0	R41006



## Classic Interconnect Cables Industrial and Machine Grade



### Shielded Multi-Core Cables – PVC or PE Insulation

**APPLICATIONS::** Control, Instrumentation, Low Voltage Power, Audio, Speaker, and Communication Circuits; where a foil shield and drain wire are desired for EMI noise rejection.

**CONSTRUCTION:** Tinned copper conductors, color coded PVC or PE Insulation, cabled, aluminum foil shield tape (polyester reinforced), tinned copper drain wire sized appropriately, overall PVC jacket.

**COMPLIANCE:** Cables are manufactured to meet the requirements of industrial applications and those of manual bench assembly or automated assembly operations. Cables are manufactured to AWM standards where indicated.

### Shielded, PVC or PE Insulated, Non-Plenum Cabled or Paired Multi core.

CONSTR.	AWG	STR.	MAT'L INS / JKT Capacitance	STYLES / TYPES	TEMP. RATINGS	VOLT RATING (RMS)	NOM DIA (IN)	APPROX WEIGHT LBS/MFT	TAPPAN SPEC #
<b>24 AWG RS-232</b>									
1 Pair Shld. RS-232	24	7 TC	PVC / PVC 40 pF/ft	CMR AWM 2464	-30C / +80C	300V	0.156	14.0	R10204
3 Cond. Shld RS-232	24	7 TC	PVC / PVC 33 pF/ft	CMR AWM 2464	-30C / +80C	300V	0.162	18.0	R10181
4 Cond. Shld RS-232	24	7 TC	PVC / PVC 33 pF/ft	CMR AWM 2464	-30C / +80C	300V	0.184	21.0	R10182
<b>22 AWG</b>									
1 Pair Shld.	22	7 TC	PE / PVC 24 pF/ft	CM AWM 2092	-20C / +60C	300V	0.175	17.0	L20013
3 Cond. Shld	22	7 TC	PE / PVC 23 pF/ft	CM AWM 2093	-20C / +60C	300V	0.199	23.0	L20014
<b>20 AWG</b>									
3 Cond. Shld	20	7 TC	PE / PVC 27 pF/ft	CM AWM 2093	-20C / +60C	300V	0.218	31.0	L30004
<b>18 AWG</b>									
1 Pair Shld.	18	19 TC	PE / PVC 30 pF/ft	CM AWM 2092	-20C / +60C	300V	0.222	28.0	L40008
3 Cond. Shld	18	19 TC	PE / PVC 24 pF/ft	CM AWM 2093	-20C / +60C	300V	0.246	37.0	L40009
4 Cond. Shld	18	19 TC	PVC / PVC 70 pF/ft	CMR AWM 2464	-20C / +80C	300V	0.245	44.0	R40893



## Classic Interconnect Cables Industrial and Machine Grade



### Multi-Pairs; Each Pair Shielded Cables

**APPLICATIONS::** Control, Instrumentation, Audio, and Communication Circuits; where foil shields and drain wires are desired for EMI noise rejection. RS-422 and AWM Style application as shown.

**CONSTRUCTION:** Tinned copper conductors, color coded Insulation, twisted pairs individually shielded (Al-Polyester tape), drain wire(s); multiple shielded pairs cabled, overall PVC jacket.

**COMPLIANCE:** Cables are manufactured to meet the requirements of industrial applications and those of manual bench assembly or automated assembly operations. RS-422 and AWM compliant as indicated.

### Paired, Each Pair Shielded, Non-Plenum Cables

CONSTR.	AWG	STR.	MAT'L INS / JKT Capacitance	STYLES / TYPES	TEMP. RATINGS	VOLT RATING (RMS)	NOM DIA (IN)	APPROX WEIGHT LBS/MFT	TAPPAN SPEC #
<b>24 AWG RS-422 100Ω AWM 2493</b>									
2 Pairs EPS	24	7 TC	FPE / PVC 13 pF/ft	CM AWM 2493	-20C / +80C -20C / +60C	300V	0.266	39.0	L19887
<b>22 AWG</b>									
2 Pairs EPS*	22	7 TC	PP / PVC 33 pF/ft	CM	-30C / +60C	300V	0.160	19.0	A29925
3 Pairs EPS	22	7 TC	PP / PVC 30 pF/ft	CM AWM 2919	-20C / +80C -20C / +80C	300V 30V	0.273	40.0	SM2994
<b>20 AWG</b>									
3 Pairs EPS	20	7 TC	PP / PVC 30 pF/ft	CM AWM 2919	-20C / +80C -20C / +80C	300V 30V	0.341	67.0	L39997

\*Single drain wire common to both shielded pairs.



**Classic Interconnect Cables  
Industrial and Machine Grade**



**RS-485. Foil+Braid Shielded Multi-Core Cables**

**APPLICATIONS::** RS-485 data transmission, low capacitance microprocessor interconnect, low speed data and machine control.

**CONSTRUCTION:** Tinned copper conductors, color coded PE Insulation, paired and cabled, aluminum foil shield tape (polyester reinforced), tinned copper braid, overall PVC jacket.

**COMPLIANCE:** EIA RS-485, AWM 2919. CM (UL)

**RS-485 PE/PVC Foil+Braid Shielded**

CONSTR.	AWG	STR.	MAT'L INS / JKT Impedance	STYLES / TYPES	TEMP. RATINGS	VOLT RATING (RMS)	NOM DIA (IN)	APPROX WEIGHT LBS/MFT	TAPPAN SPEC #
<b>24 AWG RS-485 AWM 2919</b>									
1 Pair Shld. RS-485	24	7 TC	PE / PVC 120Ω	CM AWM 2919	-30C / +80C -30C / +80C	300V 30V	0.232	40.0	L19827
2 Pair O/A Shld. RS-485	24	7 TC	PE / PVC 120Ω	CM AWM 2919	-30C / +80C -30C / +80C	300V 30V	0.353	57.0	L19954



**Classic Interconnect Cables – FEP Insulation  
Industrial and Machine Grade**



**Unshielded Multi-Core Cables – FEP Insulation / Plenum**

**APPLICATIONS::** Control, Instrumentation, Low Voltage Power, Audio, Speaker, and Communication Circuits.

**CONSTRUCTION:** Tinned high-conductivity copper conductors, color coded FEP Insulation, cabled, overall jacket per table

**COMPLIANCE:** Cables are manufactured to meet the requirements of industrial applications and those of manual bench assembly or automated assembly operations.

**Unshielded, FEP Insulated, Plenum Cabled Multiconductor**

CONSTR.	AWG	STR.	MAT'L INS / JKT	STYLES / TYPES	TEMP. RATINGS	VOLT RATING (RMS)	NOM DIA (IN)	APPROX WEIGHT LBS/MFT	TAPPAN SPEC #
<b>18 AWG</b>									
1 Pair	18	19 TC	FEP / LS-PVC	CMP	0C / +75C	300V	0.143	15.0	M40096
1 Pair	18	19 TC	FEP / FEP	CMP	-70C / +200C	300V	0.132	15.0	T40026
4 Cond.	18	19 TC	FEP / LS-PVC	CMP	0C / +75C	300V	0.166	29.0	M40063
4 Cond.	18	19 TC	FEP / FEP	CMP	-70C / +200C	300V	0.156	28.0	T40037



## Classic Interconnect Cables – FEP Insulation Industrial and Machine Grade



### Shielded Multi-Core Cables – FEP Insulation / Plenum

**APPLICATIONS::** Control, Instrumentation, Low Voltage Power, Audio, Speaker, and Communication Circuits; where a foil shield and drain wire are desired for EMI noise rejection. For use in Plenum spaces. For use where FEP insulation, or FEP insulation and jacket are specified.

**CONSTRUCTION:** Tinned copper conductors, color coded FEP insulation, cabled (or paired and cabled), overall aluminum foil shield tape (polyester reinforced), tinned copper drain wire sized appropriately, overall jacket per table.

**COMPLIANCE:** NEC CMP (UL). Cables are manufactured to meet the requirements of industrial applications and those of manual bench assembly or automated assembly operations.

### Shielded, FEP Insulated, Plenum rated Cabled or Paired Multi core.

CONSTR.	AWG	STR.	MAT'L INS / JKT Capacitance	STYLES / TYPES	TEMP. RATINGS	VOLT RATING (RMS)	NOM DIA (IN)	APPROX WEIGHT LBS/MFT	TAPPAN SPEC #
<b>24 AWG RS-232</b>									
1 PairShld. RS-232	24	7 TC	FEP / LS-PVC 31 pF/ft	CMP	-0C / +60C	300V	0.106	9.0	M19871
2 PairShld. RS-232 / 422 / 485	24 100Ω	7 TC	FEP / PVDF 13 pF/ft	CMP	-20C / +150C	300V	0.203	31.0	K19970
<b>22 AWG</b>									
1 Pair Shld.	22	7 TC	FEP / LS-PVC 35 pF/ft	CMP	-0C / +75C	300V	0.116	13.0	M20027
1 Pair Shld.	22	7 TC	FEP / PVDF 35 pF/ft	CMP	-20C / +150C	300V	0.116	11.0	K20029
1 Pair Shld.	22	7 TC	FEP / FEP 35 pF/ft	CMP	-70C / +200	300V	0.123	15.0	T20010
<b>18 AWG</b>									
1 Pair Shld.	18	19 TC	FEP / LS-PVC 51 pF/ft	CMP	-20C / +75C	300V	0.146	20.0	P41111
1 Pair Shld.	18	19 TC	FEP / PVDF 51 pF/ft	CMP	-20C / +150C	300V	0.146	20.0	P40010
1 Pair Shld.	18	19 TC	FEP / FEP 51 pF/ft	CMP	-70C / +200C	300V	0.153	22.0	T40030
3 Cond. Shld	18	19 TC	FEP / FEP 54 pF/ft	CMP	-70C / +200C	300V	0.155	28.0	T40047



## Classic Interconnect Cables – FEP Insulation Industrial and Machine Grade



### Multi-Pairs; Each Pair Shielded Cables ; FEP Insulation / Plenum

**APPLICATIONS::** Control, Instrumentation, Audio, and Communication Circuits; where foil shields and drain wires are desired for EMI noise rejection. For use in plenums and harsh environments.

**CONSTRUCTION:** Tinned copper conductors, color coded FEP insulation, twisted pairs individually shielded (Al-Polyester tape), drain wire(s); multiple shielded pairs cabled, overall jacket per table.

**COMPLIANCE:** Cables are manufactured to meet the requirements of industrial applications and those of manual bench assembly or automated assembly operations. RS-422 and AWM compliant as indicated.

### Paired, Each Pair Shielded, FEP Insulated Plenum Cables

CONSTR.	AWG	STR.	MAT'L INS / JKT Capacitance	STYLES / TYPES	TEMP. RATINGS	VOLT RATING (RMS)	NOM DIA (IN)	APPROX WEIGHT LBS/MFT	TAPPAN SPEC #
<b>22 AWG</b>									
2 Pairs EPS*	22	7 TC	FEP / LS-PVC 43 pF/ft	CMP	0C / +80C	300V	0.153	19.0	M29978
2 Pairs EPS*	22	7 TC	FEP / PVDF 35 pF/ft	CMP	-20C / +150C	300V	0.148	20.0	K29980
2 Pairs EPS*	22	7 TC	FEP / FEP 35 pF/ft	CMP	--70C / +200C	300V	0.148	19.0	T29982
3 Pairs EPS	22	7 TC	FEP / LS-PVC 43 pF/ft	CMP	0C / +80C	300V	0.237	39.0	M29940
3 Pairs EPS	22	7 TC	FEP / PVDF 31 pF/ft	CMP	-20C / +150C	300V	0.234	40.0	K29979
3 Pairs EPS	22	7 TC	FEP / FEP 31 pF/ft	CMP	--70C / +200C	300V	0.234	42.0	T29978

\*Single drain wire common to both shielded pairs.



## Classic Interconnect Cables – FEP Insulation Industrial and Machine Grade



### Shielded Multi-Core Cables, Foil+Braid – FEP Insulation / Plenum

**APPLICATIONS::** Control, instrumentation, low voltage power, and Communication Circuits. RS-485 Data Transmission where indicated, low capacitance microprocessor interconnect, low speed data and machine control. For use in plenums and harsh environments.

**CONSTRUCTION:** Tinned copper conductors, color coded FEP Insulation, cabled or paired and cabled, aluminum foil shield tape (polyester reinforced), tinned copper braid, overall jacket per table.

**COMPLIANCE:** Cables are manufactured to meet the requirements of industrial and harsh environment applications and those of manual bench assembly or automated assembly operations.

### FEP Insulated, Foil+Braid Shielded, Plenum and Harsh Environments

CONSTR.	AWG	STR.	MAT'L INS / JKT Capacitance	STYLES / TYPES	TEMP. RATINGS	VOLT RATING (RMS)	NOM DIA (IN)	APPROX WEIGHT LBS/MFT	TAPPAN SPEC #
<b>24 AWG RS-485</b>									
1 Pair Shld. RS-485	24 120Ω	7 TC	FFEP/LS-PVC 22 pF/ft	CMP	0C / +75C	300V	0.204	26.0	M19899
1 Pair Shld. RS-485	24 120Ω	7 TC	FFEP / FEP 22 pF/ft	CMP	-70C / +200C +150C (UL)	300V	0.202	27.0	T19884
2 Pair O/A Shld. RS-485	24 120Ω	7 TC	FFEP/LS-PVC 22 pF/ft	CMP	0C / +75C	300V	0.273	42.0	M19896
2 Pair O/A Shld. RS-485	24 120Ω	7 TC	FFEP / FEP 22 pF/ft	CMP	-70C / +150C	300V	0.305	49.0	
<b>20 AWG</b>									
6 Cond. Shld	20	7 TC	FEP / FEP 26 pF/ft	CMP	-70C / +200C	300V	0.207	47.0	T30004
<b>18 AWG</b>									
1 Pair Shld.	18	19 TC	FEP / FEP 33 pF/ft	CMP	-70C / +200C	300V	0.171	27.0	T40038
3 Cond. Shld.	18	19 TC	FEP / FEP 33 pF/ft	CMP	-70C / +200C	300V	0.180	39.0	T40039
4 Cond. Shld.	18	19 TC	FEP / FEP 33 pF/ft	CMP	-70C / +200C	300V	0.195	46.0	T40040
9 Cond. Shld.	18	19 TC	FEP / FEP 33 pF/ft	CMP	-70C / +200C	300V	0.265	88.0	T40042
<b>16 AWG</b>									
1 Pair Shld.	16	19 TC	FEP / FEP 35 pF/ft	CMP	-70C / +200C	300V	0.196	40.0	T50040
3 Cond. Shld.	16	19 TC	FEP / FEP 35 pF/ft	CMP	-70C / +200C	300V	0.206	50.0	T50041