



At PIC Wire & Cable®, our mission is to make our customers' job easier by providing high quality, high performance engineered electronic cables and interconnect solutions for demanding military and aerospace applications. For over 45 years, PIC Wire & Cable has helped industry leading companies improve their platform performance, reduce their schedules & lower their total costs through a unique combination of quality, technology and service.

Using the latest technologies, PIC cable products are designed and manufactured to meet the stringent electrical and mechanical performance criteria required for these advanced electronic applications - EMI immunity, lightweight, low loss, high temperature, harsh environment. Ensuring world class quality and reliability is a top priority at PIC, as evidenced by our world class quality certifications and consistently positive customer feedback.

PIC Wire & Cable is once again advancing high speed data communication technology with our extensive DataMATES® Ethernet line that offers tailored solutions for many civil and military aerospace applications, including:

- Ethernet Communications Backbone
- In-flight Entertainment
- Mobile Shelters
- Avionics Networks
- Cabin Management
- High Definition Video

ETHERNET SOLUTIONS

Physical and Electrical Data 1 Pair Cables

All values nominal unless otherwise noted

Part Number	Speed Rating	Data Conductor	Weight lbs/100 ft (kg/100 m)	O.D. in (mm)	Jacket	Temperature Range (°C)	Max Distance ft (m)
E5E2222-D	10/100 BASE-T	22 AWG SPC	2.3 (3.4)	0.18 (4.57)	White Fluoropolymer Laser Markable	-55/+200	*
E10222	10/100 BASE-T	22 AWG TPC	2.3 (3.4)	0.19 (4.80)	White Fluoropolymer Laser Markable	-50/+150	362 (110)
E5E2224-D	10/100 BASE-T	24 AWG SPCA	2.0 (3.0)	0.16 (4.06)	White Fluoropolymer Laser Markable	-55/+200	*
E61224	10/100 BASE-T	24 AWG SPCA	1.9 (2.8)	0.15 (3.81)	White Fluoropolymer Laser Markable	-50/+200	328 (100)
E10224	10/100 BASE-T	24 AWG SPC	2.2 (3.2)	0.16 (4.14)	Blue Fluoropolymer	-50/+200	328 (100)
E20224	10/100 BASE-T	24 AWG SPCA	1.1 (1.6)	0.14 (3.58)	White Fluoropolymer Laser Markable	-50/+200	273 (83)
E12224	10/100 BASE-T	24 AWG TPC	1.6 (2.4)	0.15 (3.71)	White Fluoropolymer Laser Markable	-55/+150	255 (78)
E60224	10/100 BASE-T	24 AWG SPC	0.9 (1.3)	0.10 (2.59)	White Fluoropolymer Laser Markable	-55/+200	*
E13226	10/100 BASE-T	26 AWG SPCA	1.7 (2.5)	0.13 (3.40)	White Fluoropolymer Laser Markable	-55/+200	224 (68)

Materials Key: TPC – Tin-Plated Copper; SPC – Silver-Plated Copper; SPCA – Silver-Plated Copper Alloy

*no maximum distance

2 Pair Cables

Part Number	Speed Rating	Data Conductor	Weight lbs/100 ft (kg/100 m)	O.D. in (mm)	Jacket	Temperature Range (°C)	Max Distance ft (m)
E10422	10/100 BASE-T	22 AWG SPC	3.7 (5.5)	0.30 (7.94)	White Fluoropolymer Laser Markable	-55/+200	328 (100)
E61424	10/100 BASE-T	24 AWG SPCA	2.9 (4.3)	0.22 (5.59)	White Fluoropolymer Laser Markable	-55/+200	269 (80)
E10424	10/100 BASE-T	24 AWG SPC	3.3 (4.9)	0.21 (5.28)	Blue Fluoropolymer	-55/+200	268 (82)
E12424	10/100 BASE-T	24 AWG TPC	2.3 (3.4)	0.21 (5.28)	White Fluoropolymer Laser Markable	-55/+150	257 (78)
E20424	10/100 BASE-T	24 AWG SPC	4.2 (6.2)	0.27 (6.73)	Blue Fluoropolymer	-55/+200	296 (90)
E13426	10/100 BASE-T	26 AWG SPCA	2.0 (2.9)	0.16 (3.99)	White Fluoropolymer Laser Markable	-55/+200	224 (68)

4 Pair Cables

Part Number	Speed Rating	Data Conductor	Weight lbs/100 ft (kg/100 m)	O.D. in (mm)	Jacket	Temperature Range (°C)	Max Distance ft (m)
E6A6824	10G BASE-T	24 AWG SPCA	4.4 (6.5)	0.26 (6.60)	White Fluoropolymer Tape Laser Markable	-55/+200	246 (75)
E6A5824	10G BASE-T	24 AWG SPCA	4.2 (6.3)	0.26 (6.48)	White Fluoropolymer Tape Laser Markable	-55/+200	296 (90)
E6A0824	10G BASE-T	24 AWG SPC	5.3 (7.9)	0.28 (6.99)	Blue Fluoropolymer	-55/+200	246 (75)
E6A2824	10G BASE-T	24 AWG TPC	4.6 (6.8)	0.28 (6.99)	White Fluoropolymer Laser Markable	-55/+150	214 (65)
E50824	1000 BASE-T	24 AWG SPC	5.0 (7.4)	0.27 (6.73)	Blue Fluoropolymer	-55/+200	268 (82)
DV0824	1000 BASE-T	24 AWG SPCA	7.7 (11.5)	0.35 (8.89)	White Fluoropolymer Laser Markable	-55/+200	*
E6A6826	10G BASE-T	26 AWG SPCA	3.2 (4.8)	0.22 (5.59)	White Fluoropolymer Tape Laser Markable	-55/+200	214 (65)
E6A5826	10G BASE-T	26 AWG SPCA	3.0 (4.5)	0.21 (5.33)	White Fluoropolymer Tape Laser Markable	-55/+200	230 (70)

Quadaxial Cables

Part Number	Speed Rating	Data Conductor	Weight lbs/100 ft (kg/100 m)	O.D. in (mm)	Jacket	Temperature Range (°C)	Max Distance ft (m)
E51424	10/100 BASE-T	24 AWG SPCA	2.2 (3.3)	0.16 (4.06)	White Fluoropolymer Laser Markable	-55/+150	255 (78)
E50424	10/100 BASE-T	24 AWG SPC	2.7 (4.0)	0.17 (4.32)	Blue Fluoropolymer	-55/+200	236 (72)
E51426	10/100 BASE-T	26 AWG SPCA	1.8 (2.7)	0.14 (3.48)	White Fluoropolymer Tape Laser Markable	-55/+150	214 (65)
E51428	10/100 BASE-T	28 AWG SPCA	1.0 (1.5)	0.11 (2.92)	White Fluoropolymer Tape Laser Markable	-55/+200	170 (51)