HIGH PERFORMANCE COMMUNICATION CABLES

Paras Wires

INDEX

HIGH PERFORMANCE COMMUNICATION CABLE

UH25107

PROPERTIES

ROHS compliance
(2002/95/EC)

Fire retardant & low smoke

Skydrol Resistant
(SAE AS4373E, Method 601)

The UH25107 cable is designed with ultra-lightweight materials to minimize signal loss while keeping the weight low. With a silver-plated copper-clad aluminum (SPCCA) braided shield and a flat spiral-wrapped shield, it provides -110 dB shielding effectiveness, the same as a solid copper tube.

Its inner spiral shield, combined with a low-loss PTFE dielectric, maintains uniformity and stability in all operating parameters over time. Due to its construction, the UH25107 cable is 60% lighter than traditional RG cables, making it suitable for weight-sensitive applications.

TECHNICAL SPECIFICATIONS

Conductor Annealed
Tinned/ Silver-Plated
Copper-Clad Aluminium

DC Resistance
Ω/1000ft (m) 1.1 (3.6)

Impedance
50 Ω

Temperature Rating
-65 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

APPLICATIONS

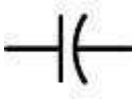
- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 8AWG (Silver-Plated Copper-Clad Aluminium)
- Dielectric: PTFE

- Shield1: Silver-Plated Copper Flat Spiral Wrap
- Shield 2: Silver-Plated Copper-Clad Aluminum Braid
- Jacket : Extruded ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
25 (82)

Velocity of Propagation
82%

Time Delay:
ns/ft (m)
1.22 (4)

Shielding Effectiveness: dB
min -110

Physical Specifications

Outer Diameter: in
(mm) 0.445 (11.3)

Minimum Bend Radius: in (mm2.5)
(63.5)

Weight:
lbs./100 ft
(kg/100 m)
12 (17.9)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	1.7/1.9	(5.6/6.2)
@1.0 GHz	2.8/3.1	(9.2/10.2)
@1.6 GHz	3.6/4.0	(11.8/13.1)
@5.0 GHz	7.0/7.8	(23.0/25.6)

K Values (nom loss) : K1 =0.079 K2 = 0.00029

UH22809

PROPERTIES

ROHS compliance

Fire retardant & low smoke

Skydrol resistance (SAE AS4373E, Method 601)

The UH22089 UltraLite 50 Ohm coaxial cable is specifically designed for aerospace and defense applications, offering exceptional performance. Its construction utilizes ultra-lightweight materials to ensure minimal signal loss. Featuring a silver-plated copper-clad aluminum (SPCCA) braided shield combined with a flat spiral-wrapped shield, the UH22089 achieves an impressive -110 dB shielding effectiveness, comparable to that of a solid copper tube.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m) 2 (6.6)

Impedance
50 Ω

Temperature Rating
-65 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

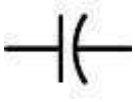
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 10 AWG Solid SPCCA (Silver-Plated Copper-Clad Aluminium)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Spiral Wrap
- Shield 2:Silver-Plated Copper-Clad Aluminum Braid
- Jacket :Extruded ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
24 (78.7)

Velocity of Propagation
82%

Time Delay:
ns/ft (m)
1.22 (4)

Shielding Effectiveness: dB
min -110

Physical Specifications

Outer Diameter: in
(mm) 0.345 (11.3)

Minimum Bend Radius: in (mm)
1.7 (43.18)

Weight:
lbs./100 ft
(kg/100 m)
7.2 (10.7)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	2.2/2.4	(5.6/6.2)
@1.0 GHz	3.5/3.9	(11.5/12.8)
@1.6 GHz	4.4/4.9	(14.4/16.1)
@5.0 GHz	8.1/9.0	(26.6/29.5)

K Values (nom loss) : K1 =0.105 K2 = 0.000135

UH67163

PROPERTIES

ROHS compliance

Fire retardant & low smoke

Skydrol resistance (SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
SPCCA

DC Resistance
Ω/1000ft (m) 4.1 (13.5)

Impedance
50 Ω

Temperature Rating
-65 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

The UH67163 Ultralight 50 Ohm coaxial cable is engineered for exceptional performance in aerospace and defence applications. Constructed with ultra-lightweight materials, it ensures minimal signal loss. Its design features a silver-plated copper-clad aluminium (SPCCA) braided shield and a flat spiral-wrapped shield, achieving an impressive -110 dB shielding effectiveness, comparable to a solid copper tube.

The inner spiral shield conforms to the low-loss PTFE dielectric, ensuring superior uniformity and stability of all operating parameters over time. Notably, the UH67163 is more than 30% lighter than cables of similar size and 80% lighter with lower loss compared to RG393.

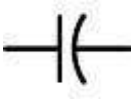
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays

PRODUCT CONSTRUCTION

- Conductor: 14AWG (Silver-Plated Copper-Clad Aluminum)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Spiral Wrap
- Shield 2:Silver-Plated Copper-Clad Aluminum Braid
- Jacket :Extruded ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
24.7 (81)

Velocity of Propagation
83%

Time Delay:
ns/ft (m)
1.22 (4)

Shielding Effectiveness: dB
min -110

Physical Specifications

Outer Diameter: in
(mm) 0.227 (5.77)

Minimum Bend Radius: in (mm)
1.2 (30.48)

Weight:
lbs./100 ft
(kg/100 m)
3.4 (5.1)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	3.9/4.3	(12.8/14.1)
@1.0 GHz	6.2/6.8	(20.3/22.3)
@1.6 GHz	7.9/8.7	(25.9/28.5)
@5.0 GHz	14.3/15.9	(46.9/52.2)

K Values (nom loss) : K1 =0.187 K2 = 0.000216

UH44193

PROPERTIES

ROHS compliance

Fire retardant & low smoke

Skydrol resistance (SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
SPCCS

DC Resistance
Ω/1000ft (m) 19.1 (62.7)

Impedance
50 Ω

Temperature Rating
-65 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

The UH44193 cable is designed with ultra-lightweight, low-loss materials, making it exceptionally light while maintaining minimal signal loss. With a shielding effectiveness of -110 dB—comparable to a solid copper tube—UH44193 ensures superior performance.

Its inner spiral shield is precisely aligned with the low-loss PTFE dielectric, ensuring outstanding uniformity and long-term stability across all operating parameters. Due to its advanced construction, the UH44193 is over 30% lighter than cables of similar size and 56% lighter than RG400/142 while offering significantly lower signal loss.

APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 19 AWG Solid Silver-Plated Copper-Clad Steel
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Spiral Wrap
- Shield 2:Silver-Plated Copper-Clad Aluminum Braid
- Jacket :Extruded ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
27 (88.6)

Velocity of Propagation
77%

Time Delay:
ns/ft (m)
1.32 (4.33)

Shielding Effectiveness: dB
min -110

Physical Specifications

Outer Diameter: in (mm) 0.155 (3.94

Minimum Bend Radius: in (mm)
0.8 (20.32)

Weight:
lbs./100 ft
(kg/100 m)
1.9 (2.8)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	6.5/7.3	(21.3/24.0)
@1.0 GHz	10.4/11.6	(34.1/38.1)
@1.6 GHz	13.3/14.8	(43.6/48.6)
@5.0 GHz	24.3/27.0	(79.7/88.6)

K Values (nom loss) : K1 =0.318 K2 = 0.000342

S22089

PROPERTIES

ROHS compliance

SAE AS4373E, Method 601

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The cable's design incorporates a multi-layered shielding system, pairing traditional shields with an internal silver-plated copper mesh. This unique construction minimizes signal loss at frequencies exceeding 1GHz, outperforming standard coaxial cables that rely on round wire braids.

Furthermore, the cable's VSWR is improved due to the uniform application of the mesh, ensuring consistent coverage and reducing signal degradation caused by aging and bending.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
0.75 (2.5)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 10 AWG Solid (Silver Plated Copper)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Aluminium/Polyimide Foil
- Shield 3:Silver-Plated Copper Braid
- Jacket :Extruded Clear FEP

Electrical specifications

Capacitance: pF/ft (m)
25.5 (83.7)

Velocity of Propagation
82.5%

Time Delay:
ns/ft (m)
1.23 (4.04)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in (mm) 0.435 (11.05)

Minimum Bend Radius: in (mm)
2.5 (63.5)

Weight:
lbs./100 ft
(kg/100 m)
18 (26.8)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	2.2/2.4	(7.2/7.9)
@1.0 GHz	3.5/3.9	(11.5/12.8)
@1.6 GHz	4.5/5.0	(14.8/16.4)
@5.0 GHz	8.3/9.1	(27.2/29.9)

K Values (nom loss) : K1 =0.105 K2 = 0.0001674

S55122

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The cable is built with a multi-layered shielding system that integrates conventional shields with an inner braid made of flat silver-plated copper strips. This design effectively reduces attenuation at frequencies above 1 GHz, offering superior performance compared to standard coaxial cables that use round wire braids. Its lower VSWR results from the precise application of the braids, ensuring consistent coverage.

This uniformity helps maintain signal integrity over time, minimizing attenuation caused by aging and repeated flexing.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
1.62 (5.3)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 12 AWG Solid (Silver plated copper)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Aluminium/Polyimide Foil
- Shield 3:Silver-Plated Copper Braid
- Jacket :Extruded Clear FEP

Electrical specifications

Capacitance: pF/ft (m)
24.0 (78.7)

Velocity of Propagation
84.5%

Time Delay:
ns/ft (m)
1.21 (3.97)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in (mm) 0.31 (7.87)

Minimum Bend Radius: in (mm)
1.55 (39.37)

Weight:
lbs./100 ft
(kg/100 m)
1.55 (39.37)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	3.2/3.5	(10.5/11.5)
@1.0 GHz	5.1/5.6	(16.7/18.4)
@1.6 GHz	6.5/7.2	(21.3/23.6)
@5.0 GHz	12.0/13.2	(39.4/43.3)

K Values (nom loss) : K1 =0.155 K2 = 0.000199

S33141

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The cable boasts a multi-layered shielding system, integrating conventional shields with an inner braid of flat silver-plated copper strips. This design significantly reduces attenuation at frequencies above 1 GHz, surpassing standard coaxial cables with round wire braids.

The precise application of the braids achieves a lower VSWR, ensuring consistent coverage and minimizing signal loss due to aging and flexing. Notably, this cable weighs less than one-third of RG393 and roughly half of RG394, while offering enhanced flexibility and lower signal loss compared to Mil-Spec coaxial cables.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
2.9 (9.5)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 14 AWG Solid (Silver plated copper)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Aluminium/Polyimide Foil
- Shield 3:Silver-Plated Copper Braid
- Jacket :Extruded Clear FEP

Electrical specifications

Capacitance: pF/ft (m)
25.0 (82.0)

Velocity of Propagation
80.5%

Time Delay:
ns/ft (m)
1.26 (4.13)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in (mm) 0.27 (6.86)

Minimum Bend Radius: in (mm)
1.4 (35.56)

Weight:
lbs./100 ft
(kg/100 m)
6.5 (9.7)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	4.2/4.7	(13.8/15.4)
@1.0 GHz	6.7/7.4	(22.0/24.3)
@1.6 GHz	8.6/9.5	(28.2/31.2)
@5.0 GHz	15.5/17.1	(50.9/56.1)

K Values (nom loss) : K1 =0.207 K2 = 0.0001785

S67163

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The S67163 cable features a advanced shielding configuration, combining conventional shields with an inner braid of flat silver-plated copper strips. This design reduces signal loss above 1 GHz, ensuring enhanced signal integrity compared to standard coaxial cables with round wire braids.

With improved signal consistency, the cable minimizes signal degradation caused by aging and repeated flexing. Notably, the S67163 cable is significantly lighter than RG393 and less than one-third the weight of RG214.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
3.25 (10.7)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 15 AWG Solid (Silver plated copper)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Aluminium/Polyimide Foil
- Shield 3:Silver-Plated Copper Braid
- Jacket :Extruded Clear FEP

Electrical specifications

Capacitance: pF/ft (m)
25 (82)

Velocity of Propagation
80.0%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in (mm) 0.225 (5.72)

Minimum Bend Radius: in (mm)
1.2 (30.48)

Weight:
lbs./100 ft
(kg/100 m)
5.4 (8.0)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	4.4/4.8	(14.4/15.7)
@1.0 GHz	7.0/7.7	(23.0/25.3)
@1.6 GHz	8.9/9.8	(29.2/32.2)
@5.0 GHz	16.1/17.7	(52.8/58.1)

K Values (nom loss) : K1 =0.215 K2 = 0.0001785

S65161-A

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The S65161-A boasts a fully shielded design, pairing an inner silver-plated copper spiral shield with an outer braided shield. This construction delivers electrical performance comparable to standard RG393 coaxial cables, yet weighs less than 25% of RG393, offering a substantially lighter and more compact alternative.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
3.9 (12.8)

Impedance
50 Ω

Temperature Rating
-65 to +150°C

APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 16 AWG Solid (Silver plated copper)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2: Silver-Plated Copper Braid
- Jacket : Extruded ETFE, White

INSULATION COLOURS

BLACK GREEN

BLUE

Electrical specifications

Capacitance: pF/ft (m)
26 (85.3)

Velocity of Propagation
83.0%

Time Delay:
ns/ft (m)
1.23 (4.04)

Shielding Effectiveness: dB
min -110

Physical Specifications

Outer Diameter: in (mm) 0.195 (4.95)

Minimum Bend Radius: in (mm)
1 (25.4)

Weight:
lbs./100 ft
(kg/100 m)
3.5 (5.2)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	5.1/5.6	(16.7/18.4)
@1.0 GHz	8.2/9.1	(26.9/29.9)
@1.6 GHz	10.5/11.6	(34.4/38.1)
@5.0 GHz	19.2/21.1	(63.0/69.2)

K Values (nom loss) : K1 =0.251 K2 = 0.0003

S44193

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The S44193 coaxial cable matches the dimensions of standard Mil-Spec RG400, yet surpasses it with enhanced shielding and reduced signal loss. Its advanced design features multi-layered shielding, combining an inner braid of flat silver-plated copper strips with conventional shields.

This innovative structure minimizes signal attenuation above 1 GHz, outperforming standard coaxial cables with round wire braids. A more uniform braid application ensures lower VSWR, stable performance, and reduced variability in attenuation and VSWR due to aging and flexing."

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
19.1 (62.7)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

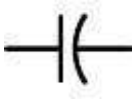
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 19 AWG Solid (Silver-Plated Copper-Clad Steel)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Aluminum/Polyimide Foil
- Shield 3:Silver-Plated Copper Braid
- Jacket :Extruded Clear FEP

Electrical specifications



Capacitance: pF/ft (m)
29.3 (96.1)

Velocity of Propagation
69.5%

Time Delay:
ns/ft (m)
1.46 (4.79)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in (mm) 0.195 (4.95)

Minimum Bend Radius: in (mm)
1 (25.4)

Weight:
lbs./100 ft
(kg/100 m)
4.3 (6.4)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	6.8/7.5	(22.3/24.6)
@1.0 GHz	11.1/12.2	(36.4/40.0)
@1.6 GHz	14.3/15.7	(46.9/51.5)
@5.0 GHz	26.8/29.5	(87.9/96.8)

K Values (nom loss) : K1 =0.3265 K2 = 0.00075

S44191

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The S44191 is a highly reliable coaxial cable with a proven track record of performance in aerospace and defense applications spanning decades. While matching the form factor of standard Mil-Spec RG400, its construction delivers enhanced shielding and reduced signal loss.

Featuring a 50-Ohm impedance, the cable boasts a robust, multi-layered shielding system that combines conventional shields with an inner brio of flat, silver-plated copper strips. This advanced design significantly minimizes attenuation above 1 GHz, outperforming standard coaxial cables that rely on round wire braids.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
8.6 (28.2)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

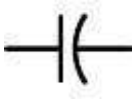
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 20 AWG Solid (Silver-Plated Copper)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Aluminium/Polyimide Foil
- Shield 3:Silver-Plated Copper Braid
- Jacket :Extruded Clear FEP

Electrical specifications



Capacitance: pF/ft (m)
29.3 (96.1)

Velocity of Propagation
69.5%

Time Delay:
ns/ft (m)
1.46 (4.79)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in (mm) 0.195 (4.95)

Minimum Bend Radius: in (mm)
1 (25.4)

Weight:
lbs./100 ft
(kg/100 m)
4.3 (6.4)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	7.3/8.0	(24.0/26.2)
@1.0 GHz	11.8/13.0	(38.7/42.7)
@1.6 GHz	15.2/16.8	(49.9/55.1)
@5.0 GHz	28.5/31.4	(93.5/103.0)

K Values (nom loss) : K1 =0.35 K2 = 0.00075

S88207

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The S88207 coax cable is designed for exceptional performance, offering approximately 20% lower attenuation than RG142 and weighing less than half, at just 19 lbs per 1,000 feet compared to 43 lbs for RG142.Its construction includes a low-loss PTFE expanded tape dielectric between the center conductor and shield, along with an inner braid made of silver-plated copper strips.

This design enhances shielding and provides greater strength than the conventional wire braid found in M17/60-RG142 cable.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
10.3 (33.8)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

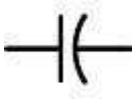
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 20 AWG Solid (SPC)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Silver-Plated Copper Braid
- Jacket :Extruded Clear FEP

Electrical specifications



Capacitance: pF/ft (m)
25 (82)

Velocity of Propagation
80%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -80

Physical Specifications

Outer Diameter: in (mm) 0.13 (3.3)

Minimum Bend Radius: in (mm)
0.65 (16.51)

Weight:
lbs./100 ft
(kg/100 m)
1.9 (2.8)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	8.0/8.8	(26.2/28.9)
@1.0 GHz	12.8/14.1	(42.0/46.3)
@1.6 GHz	16.4/18.0	(53.8/59.1)
@5.0 GHz	30.0/33.0	(98.4/108.3)

K Values (nom loss) : K1 =0.39 K2 = 0.00049

S86208

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The S86208 is a lightweight and compact alternative to the standard M17/128-RG400 coax cable. With a diameter two-thirds that of RG400 and weighing less than half—20 lbs versus 43 lbs per 1,000 feet—it offers significant size and weight advantages.

Its construction includes a low-loss PTFE expanded tape dielectric between the center conductor and shield, enhancing both shielding effectiveness and durability compared to conventional wire braids.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
11.6 (38.1)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

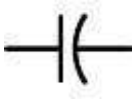
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 21 AWG Solid (SPC)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Silver-Plated Copper Braid
- Jacket :Extruded Clear FEP

Electrical specifications



Capacitance: pF/ft (m)
25 (82)

Velocity of Propagation
80%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -80

Physical Specifications

Outer Diameter: in (mm) 0.13 (3.3)

Minimum Bend Radius: in (mm)
0.65 (16.51)

Weight:
lbs./100 ft
(kg/100 m)
1.95 (2.9)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	8.9/9.8	(29.2/32.2)
@1.0 GHz	14.1/15.5	(46.3/50.9)
@1.6 GHz	17.9/19.7	(58.7/64.6)
@5.0 GHz	32.0/35.2	(105.0/115.5)

K Values (nom loss) : K1 =0.44 K2 = 0.0001785

S40501

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The S40501 coax cable is designed with dual shielding, including an inner spiral shield that closely conforms like semi-rigid tubing. It offers comparable attenuation to RG405 while providing a significantly higher temperature rating.

With precisely controlled impedance, the S40501 ensures low VSWR, delivering stable and reliable performance across various applications.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
24.2 (79.4)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

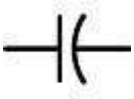
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Solid (Silver-Plated Copper-Clad Steel)
- Dielectric: PTFE
- Shield1: Silver-Plated Copper Flat Strip braid
- Shield 2:Silver-Plated Copper Braid
- Jacket :Extruded FEP, Solid Blue

Electrical specifications



Capacitance: pF/ft (m)
29.4 (96.5)

Velocity of Propagation
70%

Time Delay:
ns/ft (m)
1.45 (4.76)

Shielding Effectiveness: dB
min -110

Physical Specifications

Outer Diameter: in (mm) 0.104 (2.64)

Minimum Bend Radius: in (mm)
0.625 (16)

Weight:
lbs./100 ft
(kg/100 m)
1.4 (2.1)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	12.1/13.3	(39.7/43.6)
@1.0 GHz	19.4/21.4	(63.6/70.2)
@1.6 GHz	24.8/27.4	(81.4/89.9)
@5.0 GHz	45.7/50.3	(149.9/165.0)

K Values (nom loss) : K1 =0.589 K2 = 0.00081

S31601

PROPERTIES

ROHS compliance

(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The S31601 maintains the same dimensions as standard Mil-Spec RG316 coax but delivers reduced signal loss, thanks to its extra inner foil shield.

This enhanced shielding significantly improves performance, achieving -90 dB shielding effectiveness compared to just -50 dB in standard RG316 coax cables.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper
clad steel

DC Resistance
Ω/1000ft (m)
84.1 (275.9)

Impedance
50 Ω

Temperature Rating
-55 to +200°C

INSULATION COLOURS

BLACK GREEN

BLUE

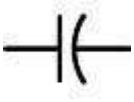
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Silver-Plated Copper-Clad Steel)
- Dielectric: PTFE
- Shield1: Bonded Aluminium/Polyester Composite
- Shield 2:Silver-Plated Copper Braid
- Jacket :Extruded ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
32 (105)

Velocity of Propagation
69.5%

Time Delay:
ns/ft (m)
1.45 (4.76)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in
(mm) 0.102 (2.59)

Minimum Bend Radius: in (mm)
0.5 (12.7)

Weight:
lbs./100 ft
(kg/100 m)
1 (1.5)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	16.0/19.0	(52.5/62.3)
@1.0 GHz	26.3/31.2	(86.3/102.4)
@1.6 GHz	34.2/40.5	(112.2/132.9)
@5.0 GHz	48.9/58.0	(160.4/190.3)

K Values (nom loss): K1 =0.75 K2 = 0.0026

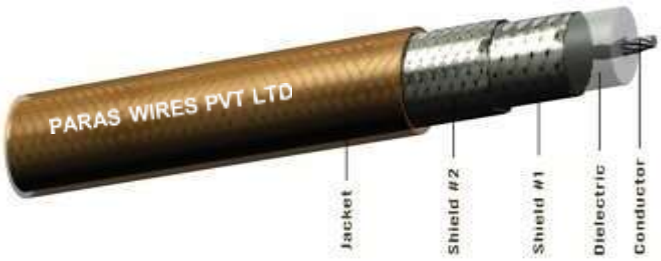
S46191

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)



The S46191 coaxial cable matches the dimensions of M17/128-RG400, yet offers substantial improvements. It achieves a significant weight reduction of at least 40% compared to RG400, making it an ideal choice for applications where weight is a critical factor.

Furthermore, the S46191 cable delivers exceptional signal integrity, with approximately 8 dB less signal attenuation per 100 feet at 1.0 GHz than standard RG400 coaxial cables.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned/
Silver Plated copper

DC Resistance
Ω/1000ft (m)
8.6 (28.2)

Impedance
50 Ω

Temperature Rating
-55 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

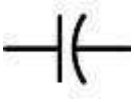
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 20 AWG Solid (Tin-Plated Copper)
- Dielectric: Fluoropolymer
- Shield1: Aluminium Braid
- Shield 2:Tin-Plated Copper Braid
- Jacket :Extruded FEP, Brown Tint, Translucent

Electrical specifications



Capacitance: pF/ft (m)
25 (82)

Velocity of Propagation
80%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -80

Physical Specifications

Outer Diameter: in
(mm) 0.13 (3.3)

Minimum Bend Radius: in (mm)
0.65 (16.51)

Weight:
lbs./100 ft
(kg/100 m)
1.9 (2.8)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	8.0/8.8	(26.2/28.9)
@1.0 GHz	12.8/14.1	(42.0/46.3)
@1.6 GHz	16.4/18.0	(53.8/59.1)
@5.0 GHz	30.0/33.0	(98.4/108.3)

K Values (nom loss) : K1 =0.39 K2 = 0.00049

L8620TX

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor
Annealed
Tinned/Silver-Plated
Copper

DC Resistance
Ω/1000ft (m)
11.6 (38.1)

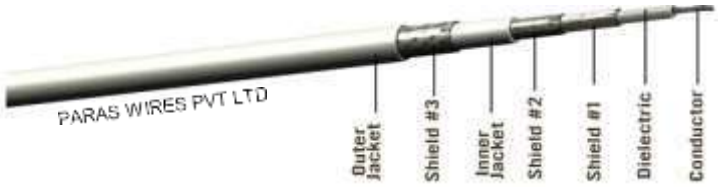
Impedance
50 Ω

Temperature Rating
-55 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE



The L8620TX is a 50-ohm triaxial cable designed for applications where RFI and noise interference are concerns, such as radar systems or other sensitive equipment requiring isolation. To enhance the signal-to-noise ratio and reduce noise pickup, it features an additional outer braid shield that is electrically insulated from the signal-carrying conductors.

For optimal shielding performance, triaxial connectors should be used to maintain the isolation of both shields through the connection. Additionally, connectors designed for S86208 and S88207 coax cables can be used to terminate the “inner coax” of the L8620TX.

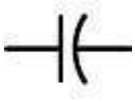
APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment

PRODUCT CONSTRUCTION

- Conductor: 21 AWG Silver-Plated Copper
- Dielectric: FEP
- Shield1:Aluminum/Polyimide Composite
- Inner Jacket: Extruded FEP, White
- Shield 2:Tin-Plated Copper Braid
- Shield 3:Tin-Plated Copper Braid
- Outer Jacket :Extruded ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
28 (91.9)

Velocity of Propagation
79%

Time Delay:
ns/ft (m)
1.28 (4.20)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in
(mm) 0.173 (4.39)

Minimum Bend Radius: in (mm)
0.9 (21.59)

Weight:
lbs./100 ft
(kg/100 m)
2.9 (4.3)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	9.1/10.0	(29.9/32.8)
@1.0 GHz	15.1/16.6	(49.5/54.5)
@1.6 GHz	19.7/21.7	(64.6/71.2)
@5.0 GHz	38.9/42.8	(127.6/140.4)

K Values (nom loss): K1 =0.416 K2 = 0.0019

L2201TX

PROPERTIES

ROHS compliance

(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The L2201TX is a 50-ohm triaxial cable designed for RFI-sensitive systems like radar, featuring an insulated outer braid shield to improve signal-to-noise ratio. For maximum shielding, triaxial connectors should be used to maintain shield isolation.

Connectors for S44191 and S44193 coax cables can terminate the “inner coax” of L2201TX.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned
Plated Copper

DC Resistance
Ω/1000ft (m)
9.7 (31.8)

Impedance
50 Ω

Temperature Rating
-55 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

APPLICATIONS

- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM
- Marker Beacon
- Cellular and GPS
- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S

PRODUCT CONSTRUCTION

- Conductor: 20 AWG Tin-Plated Copper
- Dielectric: FEP
- Shield1:Tin-Plated Copper Braid
- Inner Jacket: Extruded FEP, Clear
- Shield 2:Tin-Plated Copper Braid
- Outer Jacket :Extruded FEP, Clear

Electrical specifications

Capacitance: pF/ft (m)
29.0 (95.1)

Velocity of Propagation
70%

Time Delay:
ns/ft (m)
1.45 (4.76)

Shielding Effectiveness: dB
min -75

Physical Specifications

Outer Diameter: in (mm) 0.245 (6.22)

Minimum Bend Radius: in (mm)
1.3 (31.75)

Weight:
lbs./100 ft
(kg/100 m)
6.0 (8.9)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@0.4 GHz	10.6/11.7	(34.8/38.4)
@1.0 GHz	20.4/22.4	(66.9/73.5)
@1.6 GHz	29.1/32.0	(95.5/105.0)
@5.0 GHz	72.7/80.0	(238.5/262.5)

K Values (nom loss): K1 =0.335 K2 = 0.0098

V78209

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The V78209 is a 75-ohm coaxial cable designed for high-definition digital video, offering low VSWR and attenuation. It features a silver-plated copper center conductor, a foamed fluoropolymer dielectric, and double shielding with a tin-plated copper braid and an aluminized wrapper for full coverage. To ensure optimal performance, a complete range of 75-ohm connectors is available for precise impedance-matched terminations.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned
Silver-Plated
Copper

DC Resistance
Ω/1000ft (m)
9.2 (30.2)

Impedance
75 Ω

Temperature Rating
-55 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

APPLICATIONS

- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S
- Blu-Ray & High Definition Video
- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM

PRODUCT CONSTRUCTION

- Conductor: 20 AWG Solid Silver-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyimide Composite
- Shield 2: Tin-Plated Copper Braid
- Outer Jacket : Extruded ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
16.5 (54.1)

Velocity of Propagation
80%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in (mm) 0.211 (5.36)

Minimum Bend Radius: in (mm)
1.1 (27.9)

Weight:
lbs./100 ft
(kg/100 m)
3.15 (4.7)

Attenuation Data

Frequency	Nom / Max Db/100ft	Nom / Max (dB/100 m)
@ 0.4 GHz	6.1/6.7	(20.0/22.0)
@ 0.75 GHz	8.6/9.4	(28.2/30.8)
@ 1.5 GHz	12.7/14.0	(41.7/45.9)
@ 3.0 GHz	19.0/21.0	(62.3/68.9)

K Values (nom loss): K1 =0.282 K2 = 0.0012

V73263

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The V73263 is a 75-ohm coaxial cable designed for high-definition digital video applications, offering low VSWR and attenuation. It features a silver-plated copper center conductor, a foamed fluoropolymer dielectric, and double shielding with a helically wound silver-plated copper strip and a tin-plated copper braid.

This construction provides shielding effectiveness better than -110 db. To ensure precise impedance matching, a full range of 75-ohm connectors is available.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned
Silver-Plated
Copper

DC Resistance
Ω/1000ft (m)
34.5 (113.2)

Impedance
75 Ω

Temperature Rating
-55 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

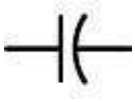
APPLICATIONS

- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S
- Blu-Ray & High Definition Video
- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Solid Silver-Plated Copper
- Dielectric: FEP
- Shield1: Silver-Plated Copper Spiral Wrap
- Shield 2: Tin-Plated Copper Braid
- Jacket : Extruded ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
16 (52.5)

Velocity of Propagation
80%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -110

Physical Specifications

Outer Diameter: in
(mm) 0.125 (3.18)

Minimum Bend Radius: in (mm)
0.65 (16.51)

Weight:
lbs./100 ft
(kg/100 m)
1.5 (2.2)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@ 0.4 GHz	10.2/11.3	(33.5/37.1)
@ 0.75 GHz	14.2/15.7	(46.6/51.5)
@ 1.5 GHz	14.2/15.7	(67.9/74.5)
@ 3.0 GHz	30.3/33.3	(99.4/109.3)
@ 6.0 GHz	44.9/49.4	(147.3/162.1)

K Values (nom loss): K1 =0.487 K2 = 0.0012

V76261

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The V76261 is a 75-ohm coaxial cable with more than twice the tensile strength, improved attenuation, and superior shielding compared to M17/94-RG179.It features a stranded silver-plated copper center conductor, nearly 60% larger than RG179, while increasing the overall diameter by just 23%.

A foamed fluoropolymer dielectric ensures correct impedance, and double shielding with a tin-plated copper braid and aluminized wrapper provides over -90 dB shielding effectiveness.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned
Silver-Plated
Copper

DC Resistance
Ω/1000ft (m)
34.5 (113.2)

Impedance
75 Ω

Temperature Rating
-55 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

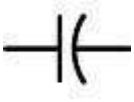
APPLICATIONS

- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S
- Blu-Ray & High Definition Video
- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Solid Silver-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyimide Composite
- Shield 2: Tin-Plated Copper Braid
- Jacket : Extruded ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
16 (52.5)

Velocity of Propagation
80%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -110

Physical Specifications

Outer Diameter: in
(mm) 0.122 (3.1)

Minimum Bend Radius: in (mm)
0.6 (15.24)

Weight:
lbs./100 ft
(kg/100 m)
1.1 (1.6)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@ 0.135 GHz	5.8/6.4	(19.0/21.0)
@ 0.180 GHz	6.7/7.4	(22.0/24.3)
@ 0.270 GHz	8.3/9.2	(27.2/29.9)
@ 0.360 GHz	9.7/10.6	(31.8/34.8)

K Values (nom loss): K1 =0.487 K2 = 0.0012

V75268

PROPERTIES

ROHS compliance

(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The V75268 is a 75-ohm coaxial cable with more than twice the tensile strength and improved attenuation compared to M17/94-RG179.Its design includes a silver-plated copper center conductor, nearly 60% larger than RG179, while increasing the overall diameter by only 22%.

A high-velocity foamed fluoropolymer dielectric surrounds the center conductor to maintain proper impedance.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned
Silver-Plated
Copper

DC Resistance
Ω/1000ft (m)
34.5 (113.2)

Impedance
75 Ω

Temperature Rating
-55 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

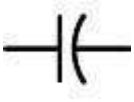
APPLICATIONS

- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S
- Blu-Ray & High Definition Video
- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Solid Silver-Plated Copper
- Dielectric: FEP
- Shield1: Tin-Plated Copper Braid
- Jacket : Extruded FEP, Red

Electrical specifications



Capacitance: pF/ft (m)
16 (52.5)

Velocity of Propagation
80%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -50

Physical Specifications

Outer Diameter: in
(mm) 0.122 (3.1)

Minimum Bend Radius: in (mm)
0.6 (15.24)

Weight:
lbs./100 ft
(kg/100 m)
1.3 (1.9)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@ 0.135 GHz	5.9/6.5	(19.4/21.3)
@ 0.180 GHz	6.9/7.6	(22.6/24.9)
@ 0.270 GHz	8.6/9.5	(28.2/31.2)
@ 0.360 GHz	10.1/11.1	(33.1/36.4)

K Values (nom loss): K1 =0.478 K2 = 0.0029

L7626TX

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned
Silver-Plated
Copper

DC Resistance
Ω/1000ft (m)
38.5 (126.3)

Impedance
75 Ω

Temperature Rating
-55 to +150°C

INSULATION COLOURS

BLACK GREEN

BLUE

The L7626TX is a 75-ohm triaxial cable designed for systems prone to RFI and noise, such as in-cabin entertainment and other isolated applications. It features an additional outer braid shield insulated from the signal-carrying conductors to enhance the signal-to-noise ratio and minimize noise pickup.

For optimal shielding performance, triaxial connectors should be used to maintain isolation between the two shields. Connectors for V75268 and V76261 coax cables can be used to terminate the "inner coax" of L7626TX.

APPLICATIONS

- Cockpit Displays
- Surveillance Cameras
- Cabin Entertainment
- ADS-B
- Mode S
- Blu-Ray & High Definition Video
- TCAS and Navigation
- Collision Avoidance
- Communications & SATCOM

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Solid Silver-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyester Composite
- Inner Jacket : Extruded ETFE, White
- Shield 2:Tin-Plated Copper Braid
- Shield 3:Tin-Plated Copper Braid
- Outer Jacket : Extruded ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
16 (52.5)

Velocity of Propagation
80%

Time Delay:
ns/ft (m)
1.27 (4.17)

Shielding Effectiveness: dB
min -90

Physical Specifications

Outer Diameter: in (mm) 0.157 (3.99)

Minimum Bend Radius: in (mm)
0.8 (20.32)

Weight:
lbs./100 ft
(kg/100 m)
2.2 (3.3)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@ 100 MHz	5.5/6.1	(18.0/20.0)
@ 400 MHz	11.2/12.3	(36.7/40.4)
@ 1.45 GHz	21.6/23.8	(70.9/78.1)
@ 3.0 GHz	31.6/34.8	(103.7/114.2)

K Values (nom loss): K1 =0.550 K2 = 0.0005

E10222

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor
Annealed Tinned
Plated Copper

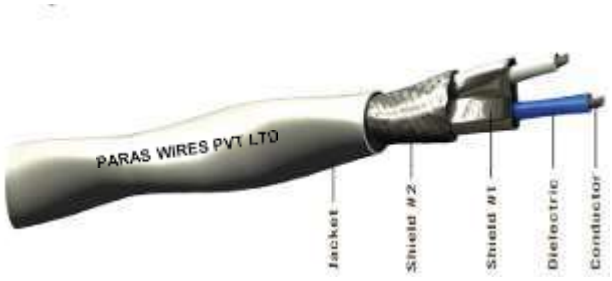
DC Resistance
Ω/1000ft (m)
15.8 (51.8)

Impedance
100 Ω

Temperature Rating
-55 to +150°C

COLOR CODES

WHITE/ BLUE



The E10222 is a 1-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements while offering a smaller diameter and reduced weight without compromising performance. Its stranded tin-plated copper conductors resist vibration, oxidation, and corrosion, while 100% foil and 90% braided shielding ensure EMI protection, mechanical strength, and flexibility. A durable ETFE laser-markable jacket enhances resistance to abrasion and environmental factors while maintaining flexibility for easy installation.E10222 is ideal for airborne 10/100 Base-T CAT5e LAN applications, including cabin management systems (CMS), in-flight entertainment (IFE), and Ethernet backbones.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 22 AWG Solid Tin-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil
- Drain wire: 24 AWG Silver-Plated Copper
- Shield 2:Tin-Plated Copper Braid
- Outer Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 328 (100)

Physical Specifications

Outer Diameter: in (mm) 0.19 (4.8)

Minimum Bend Radius: in (mm)
0.95 (24.13)

Weight: lbs./100 ft (kg/100 m)
2.3 (3.4)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	1.5/1.8	(4.9/5.9)
@100 MHz	5.4/6.5	(17.7/21.3)

E5E2222-D

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E5E2222-D is a 1-pair, 10/100 Base-T CAT5e cable designed for airborne applications, including cabin management, in-flight entertainment, and internet backbones. Its twisted-pair silver-plated copper conductors ensure consistent conductivity and excellent solderability, while 90% braided shielding provides EMI protection.

A durable ETFE laser-markable jacket enhances resistance to abrasion and environmental factors while maintaining flexibility for easy installation.

TECHNICAL SPECIFICATIONS

Conductor
Annealed Silver
Plated Copper

DC Resistance
Ω/1000ft (m)
17.5 (57.4)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES

WHITE/ BLUE

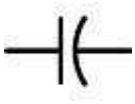
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 22 Stranded Silver Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil
- Drain wire: 24 AWG Silver-Plated Copper
- Shield 2:Tin-Plated Copper Braid
- Outer Jacket : ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
13 (42.65)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 328 (100)

Physical Specifications

Outer Diameter: in (mm) 0.183 (4.64)

Minimum Bend Radius: in (mm)
0.9 (22.86)

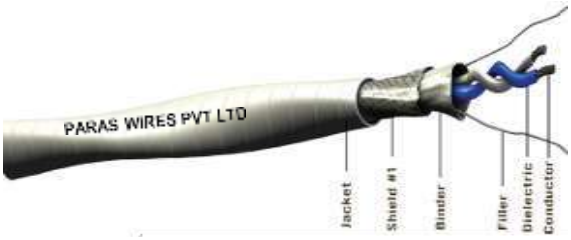
Weight:
lbs./100 ft (kg/100 m)
2.38 (3.51)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	1.5/1.8	(4.9/5.9)
@100 MHz	5.4/7.3	(17.7/24.0)

E13224

PROPERTIES



ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E13224 is a 1-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e requirements, offering a reduced diameter and weight while maintaining performance over distances up to 328 ft. Its twisted-pair silver-plated copper conductors ensure consistent conductivity and excellent solderability. The 80% braided shielding enhances mechanical strength and EMI protection while keeping the cable lightweight and flexible.

TECHNICAL SPECIFICATIONS

Conductor Annealed
SPHSCA

DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +150°C

A durable PTFE laser-markable jacket provides resistance to abrasion and environmental factors while ensuring ease of installation.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: PFA
- Binder: PTFE Tape
- Shield1: Silver-Plated Copper Braid
- Jacket : PTFE, White

COLOR CODES: PAIR

WHITE/ BLUE

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 328 (100)

Physical Specifications

Outer Diameter: in (mm) 0.168 (4.27)

Minimum Bend Radius: in (mm)
0.85 (21.59)

Weight: lbs./100 ft (kg/100 m)
2.2 (3.3)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	1.8/2.1	(5.9/6.9)
@100 MHz	5.8/7.0	(19.0/23.0)

E60224

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Tinned Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES

WHITE/ BLUE

The E60224 is a 1-pair, 10/100 Base-T CAT5e cable designed for airborne applications per ARINC Specification 664. It is unshielded, making it ideal for entertainment systems that do not require EMI protection.

Its twisted-pair silver-plated copper conductors ensure consistent conductivity and excellent solderability. A laser-markable ETFE jacket provides abrasion resistance and environmental protection while maintaining flexibility for easy installation.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper
- Dielectric: FEP
- Fillers: Fluoropolymer
- Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Physical Specifications

Outer Diameter: in (mm) 0.102 (2.59)

Minimum Bend Radius: in (mm)
0.6 (15.24)

Weight: lbs./100 ft (kg/100 m)
0.9 (1.3)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	1.9/2.4	(6.2/7.9)
@100 MHz	7.2/8.0	(23.6/26.2)

E20244

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Tinned Silver-Plated High Strength Copper Alloy

DC Resistance Ω/1000ft (m)

Impedance 100 Ω

Temperature Rating -55 to +200°C

COLOR CODES

WHITE/ BLUE

The E20244 is a 1-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements, offering a compact design with reduced weight while maintaining performance up to 273 ft. Its twisted-pair silver-plated copper alloy conductors ensure consistent conductivity and excellent solderability.

The 80% braided shielding enhances mechanical strength and EMI protection while preserving flexibility. A durable, laser-markable ETFE jacket provides abrasion resistance and environmental protection for easy installation.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: FEP
- Fillers: Silver-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 273 (83)

Physical Specifications

Outer Diameter: in (mm) 0.141 (3.58)

Minimum Bend Radius: in (mm)
0.75 (19.05)

Weight: lbs./100 ft (kg/100 m)
1.07 (1.6)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.1/2.6	(6.9/8.5)
@100 MHz	7.7/8.7	(25.3/28.5)

E12224

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed
Tin-Plated Copper

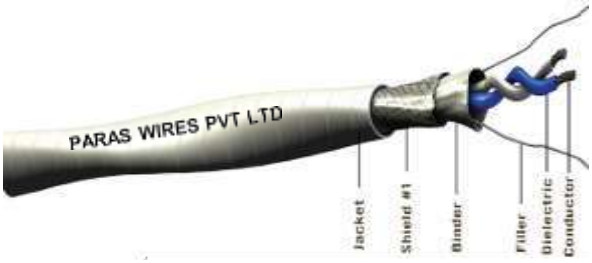
DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +150°C

COLOR CODES: PAIR

WHITE/ BLUE



The E12224 is a 1-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements, offering a compact design with reduced weight while maintaining performance up to 255 ft.

Its stranded tin-plated copper conductors resist vibration, oxidation, and corrosion. The 100% foil and 85% braided shielding enhance mechanical strength and EMI protection while ensuring flexibility and lightweight construction.

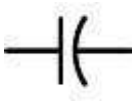
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Tin-Plated Copper
- Dielectric: FEP
- Fillers: Fluoropolymer
- Shield1: Aluminium/Polyester Foil
- Shield2: Tin-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 255 (78)

Physical Specifications

Outer Diameter: in (mm) 0.146 (3.71)

Minimum Bend Radius: in (mm)
0.75 (19.05)

Weight:
lbs./100 ft
(kg/100 m)
1.58 (2.4)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.3/2.7	(7.5/8.9)
@100 MHz	8.0/9.2	(26.2/30.2)

E61224

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed
Tin-Plated Copper

DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES: PAIR

WHITE/ BLUE

The E61224 is a 1-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements, offering a reduced diameter and weight while maintaining performance up to 328 ft. Its twisted-pair silver-plated copper alloy conductors ensure uniform conductivity and excellent solderability. The 100% foil and 90% braided shielding enhance mechanical strength, provide EMI protection, and maintain flexibility.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil
- Shield2: Silver-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 328 (100)

Physical Specifications

Outer Diameter: in (mm) 0.159 (4.04)

Minimum Bend Radius: in (mm)
1.25 (31.75)

Weight: lbs./100 ft (kg/100 m)
1.98 (3.0)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	1.8/2.1	(5.9/6.9)
@100 MHz	5.8/7.0	(19.0/23.0)

E10224

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed
Silver-Plated Copper

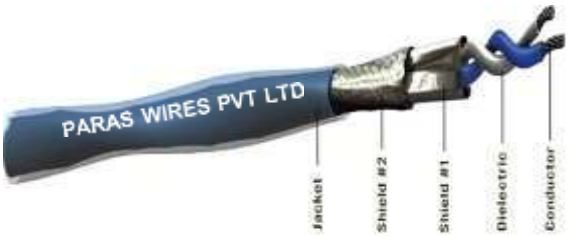
DC Resistance
Ω/1000ft (m)
28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES: PAIR

WHITE/ BLUE



The E10224 is a 1-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements, offering a compact design with reduced weight while maintaining performance.

Its twisted-pair silver-plated copper alloy conductors ensure uniform conductivity and excellent solderability. The 100% foil and 90% braided shielding enhance mechanical strength, provide EMI protection, and maintain flexibility. A durable FEP jacket offers resistance to abrasion and environmental factors while ensuring easy installation.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil
- Shield2: Silver-Plated Copper Braid
- Jacket : FEP, Translucent Blue

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 328 (100)

Physical Specifications

Outer Diameter: in (mm) 0.163 (4.14)

Minimum Bend Radius: in (mm)
0.9 (22.86)

Weight: lbs./100 ft (kg/100 m)
2.18 (3.2)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	1.8/2.1	(5.9/6.9)
@100 MHz	5.8/7.0	(19.0/23.0)

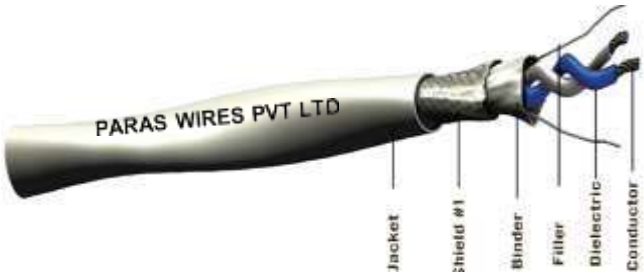
E13226

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)



The E13226 is a 1-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements, offering a smaller diameter and reduced weight while maintaining performance up to 224 ft. Its twisted-pair silver-plated high-strength copper alloy conductors ensure uniform conductivity and excellent solderability.

A durable PTFE laser-markable jacket provides abrasion resistance and environmental protection while maintaining flexibility for easy installation.

TECHNICAL SPECIFICATIONS

Conductor Annealed
Silver-Plated Copper

DC Resistance
Ω/1000ft (m)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES: PAIR

WHITE/ BLUE

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper
- Dielectric: PTFE or PFA
- Fillers: Fluoropolymer
- Binder: PTFE Tape
- Shield1: Aluminium/Polyester Foil
- Jacket : PTFE, White

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 224 (68)

Physical Specifications

Outer Diameter: in (mm) 0.134 (3.4)

Minimum Bend Radius: in (mm)
0.4 (10.16)

Weight: lbs./100 ft (kg/100 m)
1.7 (2.5)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.7/3.1	(8.9/10.2)
@100 MHz	8.7/10.5	(28.5/34.4)

E10422

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed
Silver-Plated Copper

DC Resistance
Ω/1000ft (m)
15.2 (49.9)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

ORANGE/

GREEN

The E10422 is a 2-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements, offering a smaller diameter and reduced weight while maintaining performance up to 328 ft. Its twisted-pair silver-plated copper alloy conductors ensure uniform conductivity and excellent solderability. A durable ETFE laser-markable jacket provides abrasion resistance and environmental protection while maintaining flexibility for easy installation.

E10422 is ideal for airborne 10/100 Base-T CAT5e LAN applications, including cabin management systems (CMS), in-flight entertainment (IFE), and Ethernet backbones.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 22 AWG Silver-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil
- Shield2: Silver-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 328 (100)

Physical Specifications

Outer Diameter: in (mm) 0.295 (7.49)

Minimum Bend Radius: in (mm)
2.8 (71.12)

Weight: lbs./100 ft (kg/100 m)
3.7 (5.5)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	1.4/1.7	(8.9/10.2)
@100 MHz	4.5/5.4	(4.6/5.6)

E13424

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E13424 is a 2-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements while offering a smaller diameter and reduced weight. It maintains high performance and operating parameters up to 268 ft.

Its twisted-pair construction of silver-plated copper conductors is surrounded by a PFA dielectric for uniform conductivity and excellent solderability. The 80% braided shielding enhances EMI protection, while a laser-markable PTFE jacket ensures durability, abrasion resistance, and flexibility for easy installation.

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: PFA
- Binder: PTFE Tape
- Shield1: Silver-Plated Copper Braid
- Jacket : PTFE, White

COLOR CODES: PAIR

WHITE/ BLUE
WHITE/ GREEN

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 268 (82)

Physical Specifications

Outer Diameter: in (mm) 0.224 (5.69)

Minimum Bend Radius: in (mm)
0.75 (19.05)

Weight: lbs./100 ft (kg/100 m)
2.9 (4.3)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.2/2.6	(7.2/8.5)
@100 MHz	6.0/7.2	(19.7/23.6)

E12424

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E12424 is a 2-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements while offering a smaller diameter and reduced weight. It maintains high performance and operating parameters. Its twisted-pair construction of tin-plated copper conductors is surrounded by a foamed fluoropolymer dielectric for uniform conductivity and excellent solderability.

The 100% foil and 85% braided shielding enhance EMI protection, while an ETFE laser-markable jacket ensures durability, abrasion resistance, and flexibility for easy installation.

TECHNICAL SPECIFICATIONS

Conductor Annealed
Tin-Plated Copper

DC Resistance
Ω/1000ft (m)
28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +150°C

COLOR CODES: PAIR

WHITE/ BLUE

ORANGE/ GREEN

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Tin-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil
- Shield2: Tin-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 257 (78)

Physical Specifications

Outer Diameter: in (mm) 0.208 (5.28)

Minimum Bend Radius: in (mm)
1 (25.4)

Weight: lbs./100 ft (kg/100 m)
2.3 (3.4)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.3/2.7	(7.5/8.9)
@100 MHz	6.2/7.5	(20.3/24.6)

E61424

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E61424 is a 2-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements while maintaining a smaller diameter and weight. It ensures high performance and reliability up to 269 ft. Its twisted-pair construction of silver-plated high-strength copper alloy conductors provides uniform conductivity and excellent solderability.

The 100% foil and 90% braided shielding offer strong EMI protection while keeping the cable lightweight and flexible. A durable ETFE laser-markable jacket enhances abrasion resistance and environmental protection, ensuring easy installation and long-term durability.

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil
- Shield2: Silver-Plated Copper Braid
- Jacket : ETFE, White

COLOR CODES: PAIR

WHITE/ BLUE

ORANGE/ GREEN

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 257 (78)

Physical Specifications

Outer Diameter: in (mm) 0.208 (5.28)

Minimum Bend Radius: in (mm)
1 (25.4)

Weight: lbs./100 ft (kg/100 m)
2.3 (3.4)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.3/2.7	(7.5/8.9)
@100 MHz	6.2/7.5	(20.3/24.6)

E10424

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES: PAIR

WHITE/ BLUE

ORANGE/ GREEN

The E10424 is a 2-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements while maintaining a smaller diameter and weight. It delivers high performance and reliability up to 268 ft. Its twisted-pair construction of silver-plated copper conductors ensures uniform conductivity and excellent solderability.

The 100% foil and 90% braided shielding provide strong EMI protection and mechanical strength while keeping the cable lightweight and flexible. A durable FEP jacket enhances abrasion resistance and environmental protection, ensuring easy installation and long-term durability.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil
- Shield2: Silver-Plated Copper Braid
- Jacket : FEP, Translucent Blue

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 268 (82)

Physical Specifications

Outer Diameter: in (mm) 0.21 (5.28)

Minimum Bend Radius: in (mm)
1.1 (27.94)

Weight: lbs./100 ft (kg/100 m)
3.3 (4.9)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.2/2.6	(7.2/8.5)
@100 MHz	6.0/7.2	(19.7/23.6)

E20424

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed
Silver-Plated Copper

DC Resistance
Ω/1000ft (m)
28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

White w/Blue Inner, Blue w/White Inner

Orange w/White Inner, White w/Orange Inner

The E20424 is a 2-pair, 10/100 Base-T CAT5e cable designed for airborne applications as defined by ARINC Specification 664. Its design ensures a smaller diameter and lower weight while maintaining high performance and meeting required operating parameters.

The twisted-pair construction consists of silver-plated copper conductors surrounded by a dual-layer foamed/solid fluoropolymer dielectric, providing uniform conductivity and excellent solderability. The outer foamed layer can be removed to expose the inner solid insulation, which is compatible with standard RJ45 connector terminations.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper
- Dielectric: Dual Layer FEP
- Shield1: Aluminium/Polyester Foil (each pair)
- Drain Wire: Tin-Plated Copper
- Shield2: Aluminium/Polyester
- Shield3: Silver-Plated Copper Braid
- Jacket : FEP, Translucent Blue

Electrical specifications

Capacitance: pF/ft (m)
13.4 (44)

Velocity of Propagation
76%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 296 (90)

Physical Specifications

Outer Diameter: in (mm) 0.265 (6.73)

Minimum Bend Radius: in (mm)
1.3 (33.02)

Weight: lbs./100 ft (kg/100 m)
4.18 (6.2)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.2/2.4	(7.2/7.9)
@100 MHz	7.6/8.0	(24.9/26.2)

E13426

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E13426 is a 2-pair, 10/100 Base-T CAT5e cable that exceeds ANSI/TIA-568-C.2 CAT5e Channel Requirements. It has a smaller overall diameter and weight while maintaining performance and required operating parameters up to 224 ft. Its twisted-pair construction, consisting of two separate pairs of silver-plated copper conductors, is surrounded by a PFA dielectric, ensuring uniform conductivity and excellent solderability.

The 80% braided shielding enhances conductivity and provides additional protection against EMI.

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
44.8 (147)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES: PAIR

WHITE/ BLUE

ORANGE/ GREEN

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: PFA
- Binder: PTFE Tape
- Shield1: Silver-Plated Copper Braid
- Jacket : PTFE, White

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 224 (68)

Physical Specifications

Outer Diameter: in (mm) 0.16 (3.99)

Minimum Bend Radius: in (mm)
0.5 (12.7)

Weight: lbs./100 ft (kg/100 m)
2.0 (2.9)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.7/3.1	(9.8/10.2)
@100 MHz	8.7/10.5	(28.5/34.4)

E51424

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated Copper Alloy

DC Resistance
Ω/1000ft (m)
28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES: PAIR

RED / BLUE

YELLOW / GREEN

The E51424 is a 100 Base-T Quadrax cable specifically designed for airborne applications, meeting ARINC Specification 664. Its optimized design reduces overall diameter and weight while exceeding Category 5e requirements. The E51424 features silver-plated copper conductors surrounded by a fluoropolymer dielectric, ensuring uniform conductivity and excellent solderability. It is engineered for termination with ARINC 600 and D38999 quad-type contacts and is compatible with any contact designed for Tensolite cable part number NF24Q100-01.

The dual shielding—comprising a 90% inner braid and an 85% outer braid—enhances EMI protection and preserves signal integrity.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: FEP
- Binder: PTFE Tape
- Filler: Fluoropolymer
- Shield1: Tin-Plated Copper Inner Flat Strip
- Shield2: Tin-Plated Copper Round Braid Braid
- Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 255 (78)

Physical Specifications

Outer Diameter: in (mm) 0.161 (4.09)

Minimum Bend Radius: in (mm)
0.8 (20.32)

Weight: lbs./100 ft (kg/100 m)
2.2 (3.3)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.3/2.7	(7.5/8.9)
@100 MHz	8.0/9.2	(26.2/30.2)

E50424

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed
Silver-Plated Copper

DC Resistance
Ω/1000ft (m)
24.2 (79.4)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES: PAIR

RED / BLUE

YELLOW / GREEN

The E50424 is a 100 Base-T Quadrax cable specifically designed for airborne applications, meeting ARINC Specification 664. Its optimized design reduces overall diameter and weight while exceeding Category 5e requirements.

The E50424 features silver-plated copper conductors surrounded by fluoropolymer dielectric insulation, ensuring uniform conductivity and excellent solderability. It is engineered for termination with ARINC 600 and D38999 quadrax contacts and is compatible with any contact designed for Draca Fileca cable P/N F4704.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper
- Dielectric: PTFE
- Filler: Yarn
- Shield1: Aluminum/Kapton Foil
- Shield2: Silver-Plated Copper Braid
- Jacket : FEP, Translucent Blue

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
69.5%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 24.2 (79.4)

Physical Specifications

Outer Diameter: in (mm) 0.17 (4.32)

Minimum Bend Radius: in (mm)
1 (25.4)

Weight: lbs./100 ft (kg/100 m)
2.7 (4.0)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.2/3.0	(7.2/9.8)
@100 MHz	7.1/8.2	(23.3/26.9)

E51426

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E51426 is a 100 Base-T Quadrax cable specifically designed for airborne applications, meeting ARINC Specification 664. Its optimized design reduces overall diameter and weight while exceeding Category 5e requirements. The E51426 features high-strength copper alloy conductors surrounded by fluoropolymer insulation, ensuring uniform conductivity and excellent solderability.

It is engineered for termination with ARINC 600 and D38999 quadrax contacts and is compatible with any contact designed for Tensolite cable part number NF26Q100.

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
44.8 (147)

Impedance
100 Ω

Temperature Rating
-55 to +150°C

COLOR CODES: PAIR

RED / BLUE

YELLOW / GREEN

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: FEP
- Binder: PTFE Tape
- Filler: Fluoropolymer
- Shield1: Tin-Plated Copper Inner Flat Strip Braid
- Shield2: Tin-Plated Copper Round Braid
- Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 214 (65)

Physical Specifications

Outer Diameter: in (mm) 0.137 (3.48)

Minimum Bend Radius: in (mm)
0.7 (17.78)

Weight: lbs./100 ft (kg/100 m)
1.8 (2.7)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	2.8/3.2	(9.2/10.5)
@100 MHz	9.6/11.0	(31.5/36.1)

E51428

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E51428 is a 100 Base-T Quadrax cable specifically designed for airborne applications, meeting ARINC Specification 664. Its optimized design reduces overall diameter and weight while exceeding Category 5e requirements.

The E51428 features silver-plated high-strength copper alloy conductors surrounded by solid PFA insulation, ensuring uniform conductivity and excellent solderability..

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
74.8 (245.4)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES: PAIR

WHITE/ BLUE

ORANGE/ GREEN

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 28 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: PFA
- Binder: PTFE Tape
- Filler: Fluoropolymer
- Shield1: Silver-Plated Copper Round Braid
- Jacket : PTFE, White

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 170 (52)

Physical Specifications

Outer Diameter: in (mm) 0.115 (2.92)

Minimum Bend Radius: in (mm)
0.6 (15.24)

Weight: lbs./100 ft (kg/100 m)
1.0 (1.5)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10 MHz	3.7/4.1	(12.1/13.5)
@100 MHz	11.1/12.4	(36.4/40.7)

E84824

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated Copper Alloy

DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

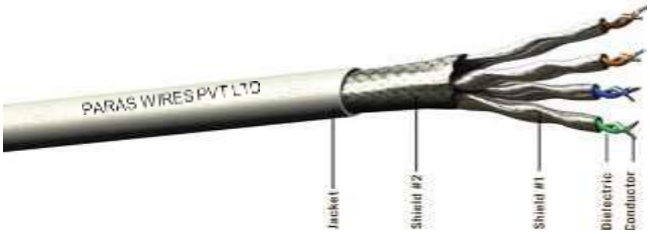
COLOR CODES:

Blue/White w/Blue Stripe

Green/White w/Green Stripe

Brown/White w/Brown Stripe

Orange/White w/Orange Stripe



The E84824 is a 4-Pair, 40G Base-T Cat 8 Ethernet cable designed for high-speed data transmission applications. It features four pairs of twisted copper conductors, shielded with enhanced insulation to minimize crosstalk and interference, ensuring a stable, high-performance signal with minimal degradation.

With improved shielding and insulation, the E84824 supports longer cable runs while maintaining data integrity. Constructed from high-quality materials, this cable offers durability and reliability, making it ideal for demanding environments and continuous heavy usage.

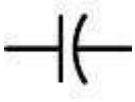
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper Alloy
- Dielectric: FEP
- Shield1: Aluminium/Polyester Composite
- Shield2: Silver-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
13.5 (44.3)

Velocity of Propagation
75%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 90 (27)

Physical Specifications

Outer Diameter: in (mm) 0.28 (7.1)

Minimum Bend Radius: in (mm)
1.5 (38.1)

Weight:
lbs./100 ft
(kg/100 m)
4.6 (2.08)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@100 MHz	6.6/7.2	(21.7/23.6)
@250 MHz	10.6/11.5	(34.8/33.0)
@500 MHz	15.2/16.6	(49.9/54.5)
@1000 MHz	21.6/24.4	(85.6/80.1)
@2000 MHz	32.3/36.3	(92.8/119.1)

E74824

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

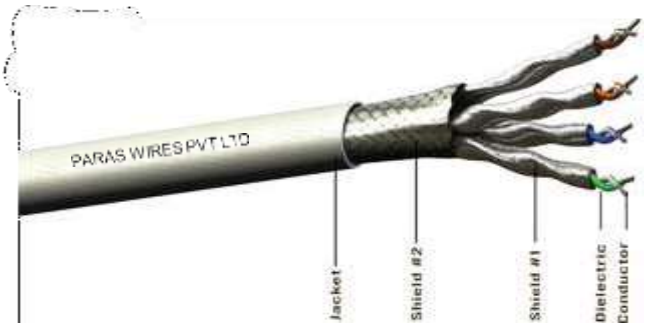
COLOR CODES:

Blue/White w/Blue Stripe

Green/White w/Green Stripe

Brown/White w/Brown Stripe

Orange/White w/Orange Stripe



The E74824 is a 4-Pair, 10G Base-T Cat 7 cable engineered for maximum electrical performance in a compact, lightweight, and flexible design. Each pair features silver-plated copper alloy conductors and is individually shielded to ensure optimal signal integrity and minimal interference.

Meeting ISO 11801 Class F Channel requirements, the E74824 delivers reliable 10 Gb performance. Its ETFE laser-markable jacket provides excellent protection against abrasion and environmental factors while maintaining flexibility for easy installation.

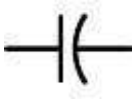
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper Alloy
- Dielectric: FEP
- Shield1: Aluminium/Polyester Composite
- Shield2: Silver-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
78%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 296 (90)

Physical Specifications

Outer Diameter: in (mm) 0.28 (7.11)

Minimum Bend Radius: in (mm)
2.2 (55.88)

Weight: lbs./100 ft (kg/100 m)
4.7 (7.0)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@100 MHz	6.6/7.0	(21.7/23.0)
@250 MHz	10.8/11.4	(35.4/37.4)
@500 MHz	15.7/16.6	(51.5/54.5)
@600 MHz	17.5/18.4	(57.4/60.4)

E74826

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

Blue/White w/Blue Stripe

Orange, White/Orange Stripe

Green, White/Green Stripe

Brown, White/Brown Stripe

The E74826 is a 4-Pair, 10G Base-T Cat 7 cable designed for maximum electrical performance in a compact, lightweight, and flexible package. Each pair features silver-plated copper alloy conductors and is individually shielded to ensure superior signal integrity and minimal interference.

Compliant with ISO 11801 Class F Channel requirements, the E74826 delivers reliable 10 Gb performance. Its ETFE laser-markable jacket provides excellent protection against abrasion and environmental factors while maintaining flexibility for easy installation..

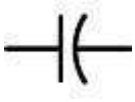
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Silver-Plated Copper Alloy
- Dielectric: FEP
- Shield1: Aluminium/Polyester Foil (Each Pair)
- Shield2: Silver-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
78%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 230(70)

Physical Specifications

Outer Diameter: in (mm) 0.23 (5.84)

Minimum Bend Radius: in (mm)
1.8 (45.72)

Weight:
lbs./100 ft
(kg/100 m)
3.3 (4.9)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@100 MHz	7.5/9.0	(24.6/29.5)
@250 MHz	12.3/14.7	(40.4/48.2)
@500 MHz	17.8/21.4	(58.4/70.2)
@600 MHz	22.5/23.7	(73.8/77.8)

E6A5824

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

Blue, White/Blue Stripe

Orange, White/Orange Stripe

Green, White/Green Stripe

Brown, White/Brown Stripe

The E6A5824 is a 4-Pair, 10G Base-T Cat 6a Ethernet cable designed for high-performance networking and video applications. Its innovative construction ensures maximum electrical performance in a compact, lightweight, and flexible package. In addition to supporting Cat 6a, 10 Gbit Ethernet applications, the E6A5824 is ideal for video transmission due to the low skew between pairs. The cable features silver-plated copper conductors, with each pair individually shielded. A combination of 100% foil and 90% braided shielding provides superior EMI protection.

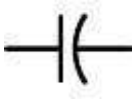
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades (commercial/business)

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: PFA
- Spline: Fluoropolymer
- Shield1: Aluminium/Polyimide Foil (each pair)
- Shield 2: Silver-Plated Copper Braid
- Jacket : PTFE, White

Electrical specifications



Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 296 (90))

Physical Specifications

Outer Diameter: in (mm) 0.255 (6.6)

Minimum Bend Radius: in (mm)
1.3 (33.02)

Weight:
lbs./100 ft
(kg/100 m)
4.2 (6.3)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@100 MHz	1.9/2.1	(6.2/6.9)
@100 MHz	6.6/7.0	(21.7/23.0)
@250 MHz	10.8/11.4	(35.4/37.4)
@500 MHz	15.7/16.6	(51.5/54.5)

E6A6824

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
28.4 (93.2)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

Blue, White/Blue Stripe

Orange, White/Orange Stripe

Green, White/Green Stripe

Brown, White/Brown Stripe

The E6A6824 is a Cat 6a Ethernet cable engineered for optimal electrical performance in a compact, lightweight, and flexible design.

To ensure signal integrity, the E6A6824 features differential lay lengths between pairs and a combination of foil and braided shielding, delivering reliable 10 Gigabit performance (ANSI/TIA-568 Category 6a) up to 246 ft. Its ultra-flexible PTFE laser-markable jacket enhances durability and simplifies installation.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: PFA
- Spline: Fluoropolymer
- Binder: PTFE Tape
- Shield1: Aluminium/Polyimide Foil
- Shield 2: Silver-Plated Copper Braid
- Jacket : PTFE, White

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 246 (75)

Physical Specifications

Outer Diameter: in (mm) 0.26 (6.6)

Minimum Bend Radius: in (mm)
0.78 (19.81)

Weight:
lbs./100 ft
(kg/100 m)
4.4 (6.5)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10MHz	2.3/2.6	(7.5/8.5)
@100 MHz	7.0/8.4	(23.0/27.6)
@250 MHz	11.4/13.7	(37.4/44.9)
@500 MHz	16.5/20.0	(54.1/65.6)

E6A0824

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

Blue, White/Blue Stripe

Orange, White/Orange Stripe

Green, White/Green Stripe

Brown, White/Brown Stripe

The E6A0824 is a 4-Pair, 10G Base-T Cat 6a Ethernet cable that exceeds ANSI/TIA-568-C.2 CAT 6a Channel Requirements. It is designed for maximum electrical performance in a compact, lightweight, and flexible form.

The E6A0824 features stranded silver-plated copper conductors, making it ideal for high-vibration environments. Its twisted-pair construction with differential lay lengths effectively reduces inductive interference, ensuring reliable high-speed data transmission.

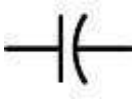
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper
- Dielectric: FEP
- Spline: Fluoropolymer
- Binder: PTFE Tape
- Shield1: Aluminium/Polyester Foil
- Shield 2: Silver-Plated Copper Braid
- Jacket : FEP, Translucent Blue

Electrical specifications



Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 246 (75)

Physical Specifications

Outer Diameter: in (mm) 0.275 (6.99)

Minimum Bend Radius: in (mm)
1.4 (35.56)

Weight:
lbs./100 ft
(kg/100 m)
5.28 (7.9)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10MHz	2.2/2.6	(7.2/8.5)
@100 MHz	6.8/8.2	(22.3/26.9)
@250 MHz	10.9/13.1	(35.8/43.0)
@500 MHz	15.6/18.7	(51.2/61.4)

E6A5826

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
44.8 (147)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

Blue, White/Blue Stripe

Orange, White/Orange Stripe

Green, White/Green Stripe

Brown, White/Brown Stripe

The E6A5826 Cat 6a Ethernet cable exceeds ANSI/TIA-568-C.2 CAT 6a Channel Requirements, offering superior electrical performance in a compact, lightweight, and flexible design.It delivers 10 Gigabit performance with a silver-plated high-strength copper conductor, ensuring reliable signal transmission.

A flexible, laser-markable PTFE jacket enhances durability while maintaining ease of installation.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: PFA
- Shield1: Aluminum/Polyimide Foil (each pair)
- Shield 2: Silver-Plated Copper Braid
- Jacket : PTFE, White

Electrical specifications

Capacitance: pF/ft (m)
12 (39.4)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 230 (70)

Physical Specifications

Outer Diameter: in (mm) 0.215 (5.46)

Minimum Bend Radius: in (mm)
1.1 (27.94)

Weight:
lbs./100 ft
(kg/100 m)
3 (4.5)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10MHz	2.4/2.8	(7.9/9.2)
@100 MHz	7.5/9.0	(24.5/29.5)
@250 MHz	12.3/14.7	(40.4/48.2)
@500 MHz	17.8/21.4	(58.4/70.2)

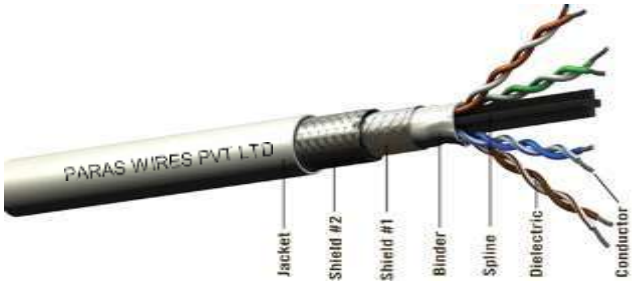
E6A6826

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)



The E6A6826 Cat 6a Ethernet cable exceeds ANSI/TIA-568-C.2 CAT 6a Channel Requirements, offering high electrical performance in a compact, lightweight, and flexible design.

It delivers 10 Gigabit performance up to 214 ft. by incorporating differential lay lengths between pairs and utilizing a foil and braided shield for enhanced signal integrity and EMI protection.

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
44.8 (147)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

Blue, White/Blue Stripe

Orange, White/Orange Stripe

Green, White/Green Stripe

Brown, White/Brown Stripe

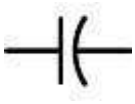
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer
- Electronic Flight Bag (EFB)
- Portable Electronic Devices
- Power Remote Devices
- Program Upgrades

PRODUCT CONSTRUCTION

- Conductor: 26 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: PFA
- Spline: Fluoropolymer
- Binder: PTFE Tape
- Shield1: Aluminum/Polyimide Foil (each pair)
- Shield 2: Silver-Plated Copper Braid
- Jacket : PTFE, White

Electrical specifications



Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 214 (65)

Physical Specifications

Outer Diameter: in (mm) 0.22 (5.59)

Minimum Bend Radius: in (mm)
0.66 (16.76)

Weight:
lbs./100 ft
(kg/100 m)
3.2 (4.8)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10MHz	2.6/3.0	(8.5/9.8)
@100 MHz	8.2/9.7	(26.9/31.8)
@250 MHz	13.2/15.8	(43.3/51.8)
@500 MHz	19.3/23.0	(63.3/75.5)

DV0824

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The DV0824 is a shielded 4-Pair, 1000 Base-T Ethernet cable designed for optimal electrical performance in a compact, lightweight, and flexible form.

Its twisted-pair construction (four separate pairs) minimizes inductive interference, while the 100% foil and 90% braided shielding enhance EMI protection. The low skew between pairs ensures synchronized signal transmission, and the foamed

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper Alloy

DC Resistance
Ω/1000ft (m)
28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

White/ Blue
Yellow/ Green
Red/ Black
Orange/ Brown

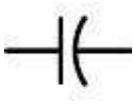
APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated High Strength Copper Alloy
- Dielectric: FEP
- Shield1: Silver-Plated Copper Round Braid (each pair)
- Inner Jacket: ETFE, White
- Shield 2: Aluminium/Polyester/Aluminium Foil
- Shield 3: Silver-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications



Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Physical Specifications

Outer Diameter: in (mm) 0.35 (8.89)

Minimum Bend Radius: in (mm)
1.75 (44.45)

Weight: lbs./100 ft (kg/100 m)
7.7 (11.5)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10MHz	2.4/2.7	(7.9/8.9)
@100 MHz	8.2/8.8	(26.9/28.9)

E50824

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

The E50824 is a shielded 4-Pair, 1000 Base-T Cat 5e Ethernet cable that exceeds ANSI/TIA-568-C.2 CAT 5e Channel Requirements. It is designed for high electrical performance in a compact, lightweight, and flexible form.

Its twisted-pair construction (four separate pairs) of silver-plated copper conductors is surrounded by a fluoropolymer dielectric, ensuring uniform conductivity with excellent solderability.

TECHNICAL SPECIFICATIONS

Conductor Annealed Silver-Plated High Strength Copper

DC Resistance
Ω/1000ft (m)
28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

Blue, White Stripe/Blue

Orange, White Stripe/Orange

Green, White Stripe/Green

Brown, White Stripe/Brown

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper
- Dielectric: FEP
- Spline: Fluoropolymer
- Binder: PTFE Tape
- Shield1: Aluminium/Polyester tape
- Shield 2: Silver-Plated Copper Round Braid
- Jacket : FEP, Translucent Blue

Electrical specifications

Capacitance: pF/ft (m)
14.5 (47.6)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 268 (82)

Physical Specifications

Outer Diameter: in (mm) 0.265 (6.73)

Minimum Bend Radius: in (mm)
1.4 (35.56)

Weight:
lbs./100 ft
(kg/100 m)
5 (7.4)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10MHz	2.2/2.6	(7.2/8.5)
@100 MHz	6.8/8.2	(22.3/26.9)

E5E3624

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed Data:
24 AWG Stranded SPCA
Power: 20 AWG Stranded SPC

DC Resistance
Ω/1000ft (m)
Power Pair: 9.1 (29.9)
Data Pair: 28.5 (93.5)

Impedance
100 Ω

Temperature Rating
-55 to +200°C

COLOR CODES:

White/ Blue
Yellow/ Green
Red/ Black
Orange/ Brown

The E5E3624 is a CAT5e Power over Ethernet (PoE) cable specifically designed for airborne applications as defined by ARINC Specification 664. It is built to withstand high-temperature environments and supports data transmission frequencies ranging from CAT5e up to CAT6a requirements.

Its twisted-pair construction (two separate pairs) of silver-plated copper conductors is surrounded by PFA insulation, ensuring uniform conductivity with excellent solderability.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Silver-Plated Copper-Alloy
- Power Conductor: Silver-Plated Copper
- Dielectric: PFA
- Spline: Fluoropolymer
- Binder: PTFE Tape
- Shield1: Aluminium/Polyimide Foil
- Shield 2: Silver-Plated Copper Braid
- Jacket : PTFE, White

Electrical specifications

Capacitance: pF/ft (m)
14 (46.0)

Velocity of Propagation
70%

Dielectric Voltage Rating: (kV, RMS) 1.5

Max Distance*: ft (m) 268 (82)

Physical Specifications

Outer Diameter: in (mm) 0.25 (6.35)

Minimum Bend Radius: in (mm)
0.80 (20.32)

Weight: lbs./100 ft (kg/100 m)
4.5 (6.7)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10MHz	2.2/2.6	(7.2/8.5)
@100 MHz	6.8/8.2	(22.3/26.9)

E5E1724

PROPERTIES

ROHS compliance
(RoHS Directive 2002/95/EC)

Fire retardant & low smoke

Skydrol resistance
(SAE AS4373E, Method 601)

TECHNICAL SPECIFICATIONS

Conductor Annealed
Data:24 AWG Stranded TPC
Power: 22 AWG Stranded TPC

DC Resistance
Ω/1000ft (m)
Data Pair:26.2 (86.0)
Power Pair: 16.2 (53.1)

Impedance
100 Ω

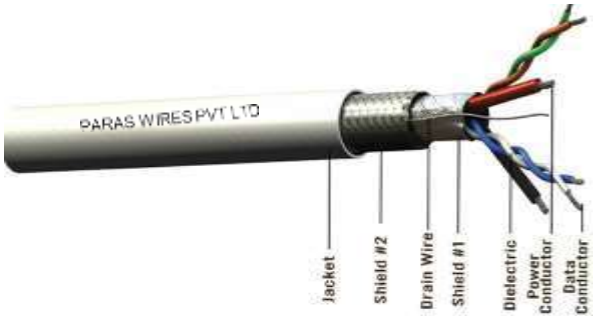
Temperature Rating
-55 to +150°C

COLOR CODES:

WHITE/ BLUE
ORANGE GREEN

POWER PAIR

RED BLACK



The E5E1724 is a CAT5e Power over Ethernet (PoE) cable specifically designed for airborne applications as defined by ARINC Specification 664. It is engineered for high-temperature environments and supports data transmission frequencies from CAT5e up to CAT6a requirements.

Its twisted-pair construction (two separate pairs) of tin-plated copper conductors is surrounded by FEP insulation, with 100% foil and 85% braided shielding ensuring uniform conductivity, excellent solderability, and enhanced EMI protection.

APPLICATIONS

- Avionics Network
- Cabin/Flight Management Systems
- Digital Video Systems
- Ethernet Backbone
- Content Loading
- Data Transfer

PRODUCT CONSTRUCTION

- Conductor: 24 AWG Tin-Plated Copper
- Power Conductor: Tin-Plated Copper
- Dielectric: FEP
- Shield1: Aluminium/Polyimide Foil
- Drain wire: Tin-Plated Copper
- Shield 2: Tin-Plated Copper Braid
- Jacket : ETFE, White

Electrical specifications

Capacitance: pF/ft (m)
13 (42.7)

Velocity of Propagation
80%

Dielectric Voltage Rating: (kV, RMS) 0.9

Max Distance*: ft (m) 257 (78)

Physical Specifications

Outer Diameter: in (mm) 0.208 (5.28)

Minimum Bend Radius: in (mm)
1.0 (25.4)

Weight:
lbs./100 ft
(kg/100 m)
3.56 (5.3)

Attenuation Data

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 m)
@10MHz	2.3 / 2.7	(7.2/8.5)
@100 MHz	6.8 / 7.5	(22.3 / 24.6)