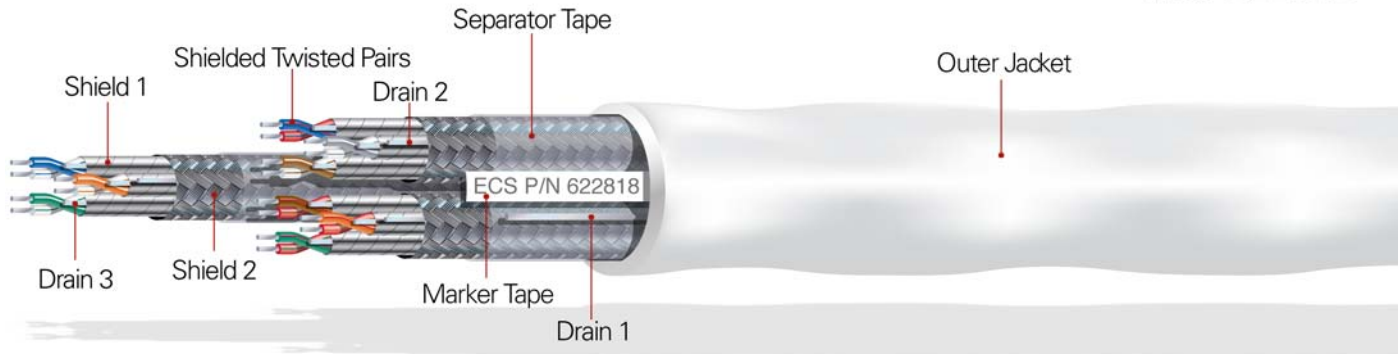




Providing complete avionics installation provisions
and support for the Aviation industry since 1984.

18 Conductor Composite Cable

P/N 622818



18 Conductors – 3 Shielded Cables

3 Shielded Twisted Pairs:

Conductors: 28 AWG stranded tin plated copper

Insulation: High temperature fluoropolymer

Drain Wire: 28 AWG tin plated copper

Shield: Aluminum/Polyester tape

Drain Wire: 28 AWG tin plated copper

Overall Shield: 38 AWG tin plated copper

Separator: Polyester tape

Overall Cable:

Ripcord: High strength Kevlar

Outer Jacket: White high temperature fluoropolymer
(laser markable)

Physical Characteristics

Outer Diameter: 0.5 inches nominal

Bend Radius: 2.2 inches minimum

Weight: 16.5 lbs/100 ft

Temperature Range: -65° to +80° C

Skydrol Resistant: Yes

Applications

IEC Cable Assembly

Color Code:

Pair 1: White/Blue, Blue/White

Pair 2: White/Orange, Orange/White

Pair 3: White/Green, Green/White

Pair 4: White/Brown, Brown/White

Pair 5: White/Grey, Grey/White

Pair 6: Red/Blue, Blue/Red

Pair 7: Red/Orange, Orange/Red

Pair 8: Red/Green, Green/Red

Pair 9: Red/Brown, Brown/Red

Environmental:

- ECS Composite cables are designed to meet, or exceed, burn requirements as set forth in Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amdt 25-113, Appendix F Part I(a)(3).
- They are manufactured with materials which, when subjected to flames or high temperatures, will not outgas deadly hydrogen chloride produced by conventional PVC cables.

Cage Code: 66197 • **Issue Date:** 9/21/09

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