

QUADRAX CABLE 100 BASE-T ETHERNET DBQ-24-100



PHYSICAL PROPERTIES:

JACKET	WHITE ETFE
INNER CONDUCTORS	24AWG SILVER-PLATED COPPER
INNER SHIELD	TIN-PLATED COPPER BRAID
OUTER SHIELD	38AWG TIN-PLATED COPPER BRAID
FILLER	WHITE FLUOROPOLYMER
BINDER	PTFE TAPE
INSULATION	FOAMED FEP
OUTER DIAMETER	0.160 INCHES (0.406 CM)
MIN. BEND RADIUS	0.80 INCHES (2.032 CM)
WEIGHT	0.022 LBS/FT (0.003 KG/M)
OPERATING TEMP	-55°C TO +150°C



ELECTRICAL PROPERTIES:

IMPEDANCE	100 OHMS
CAPACITANCE	13 pF/FT (42.6 pF/M)
VELOCITY	80% NOMINAL
DC RESISTANCE	28.5 OHMS/1000 FT (304.8 M)
INTERFACE	100 BASE-T PER ARINC 664

STANDARD COMPLIANCE:

CABLE FAA	TITLE 14 CFR, PART 25.869 (A)(4) AMENDMENT 25-113 APPENDIX F, PART I (A)(3)
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AVAILABLE CONNECTORS:

8X8 MODULAR RJ45 (SHIELDED)	DBT-45-001
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CERTIFICATIONS:

ISO 9001
AS9100
FAA-PMA
AC 00-56B

DB INTEGRATIONS

3405 Airport Road
Allentown, PA 18109
(610) 443-0201

www.dbiaero.com

sales@dbiaero.com

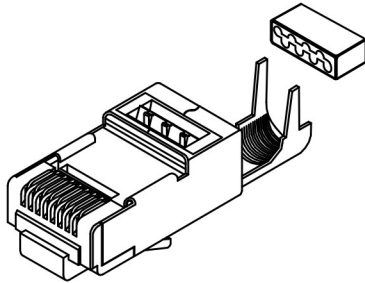
CALL OR EMAIL FOR AVAILABILITY



QUADRAX CABLE 100 BASE-T ETHERNET **DBQ-24-100**

AVAILABLE CONNECTORS

DBT-45-100 (PLUG, RJ45, 8X8, SHIELDED)



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TERMINATION INSTRUCTIONS

Note: It is recommended to use DB Integrations **P/N: DBT-007** for proper termination. Tooling may be substituted as desired. Contact DBI support for alternatives.

1. Slide the two supplied pieces of heat shrink onto the cable.

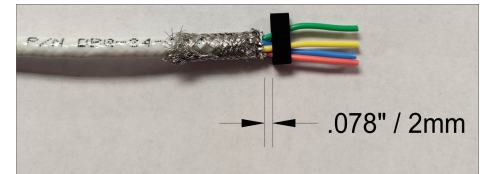


2. Using a razor blade, lightly score the outer jacket at 1.00 inches from the end of the cable. Peel back and remove the outer jacket from this section. Take caution not to cut into the braiding.

3. Fold the exposed braiding back over the cable jacket. Remove the inner layer of flat foil and any tape over the four conductors to expose them.

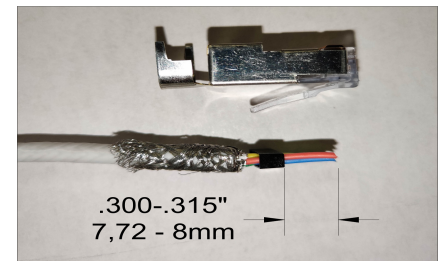


4. Put the conductors in order. Work them until they are straight and insert them into the supplied load bar.



5. Pull the load bar toward the cable jacket and leave a gap of 0.78 inches from the exposed shielding.

6. Trim the conductors to a final length of 0.300 – 0.315 inches from the front of the load bar to the tips of the conductors.



7. Slide the load bar into the connector housing and crimp the assembly (including the shield) using the DB Integrations **P/N: DBT-007** crimp tool.



8. Heat down the smaller piece of shrink tubing so that it covers the crimped shield.



9. Heat down the larger piece of shrink tubing over the smaller one.



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