

DATAMAX® EXTREME CABLE FOR AGTECH

Engineered for consistent connectivity
in unpredictable conditions



The Stranded Data Cable Experts



DataMax Extreme Cable for AgTech

Engineered for consistent connectivity in unpredictable conditions

Agricultural environments demand toughness. Our AgTech products are built to withstand UV exposure, temperature extremes, mechanical stress, and chemical contact common in the field. Flexible constructions and abrasion-resistant jackets maintain performance through continuous motion and challenging outdoor conditions. Quabbin's cable solutions are engineered for consistent electrical performance and signal integrity in harsh environment data applications.

DESIGN FEATURES

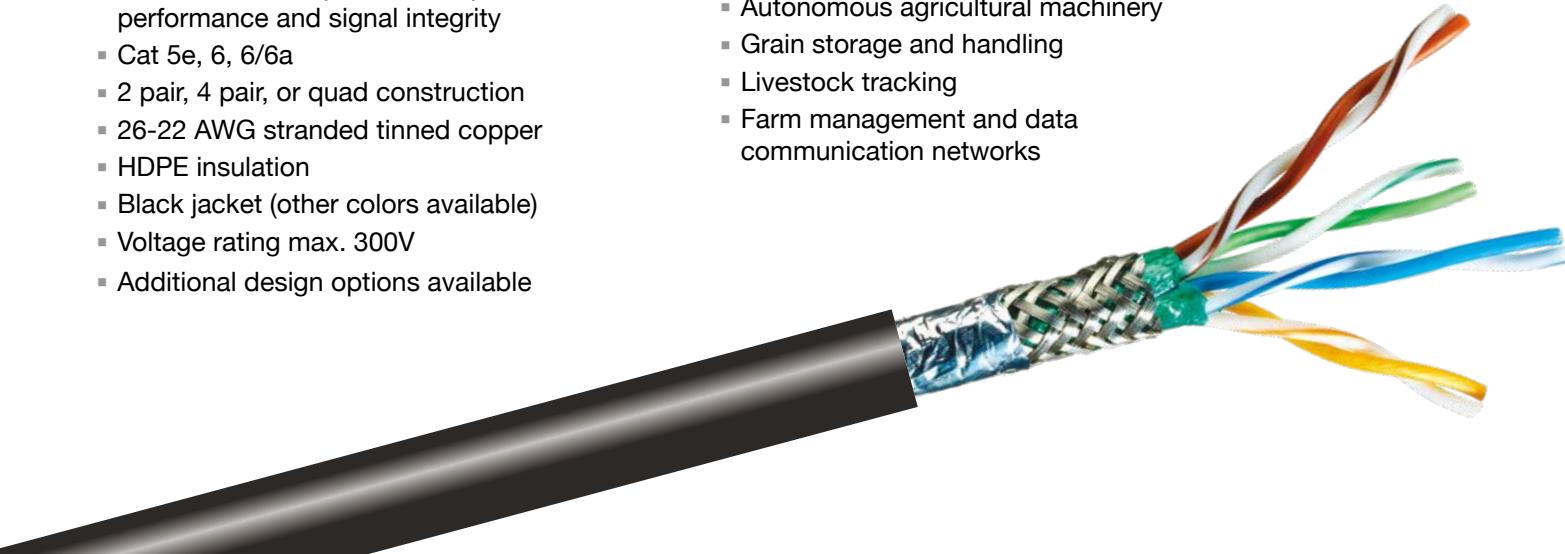
- Environmental and chemical resistance
- Mechanical durability and abrasion resistance
- Flame and fire resistance
- Low temperature flexibility and brittle point
- High flexibility and bend radius control
- Ease of installation and serviceability
- Ability to be redeployed
- Long-term reliability
- Patented shield system for superior electrical performance and signal integrity
- Cat 5e, 6, 6/6a
- 2 pair, 4 pair, or quad construction
- 26-22 AWG stranded tinned copper
- HDPE insulation
- Black jacket (other colors available)
- Voltage rating max. 300V
- Additional design options available

APPLICATIONS

- Vision, sensor, and telemetry networks
- Field mapping and soil sampling
- Crop monitoring
- Pest detection
- Irrigation and environmental monitoring systems
- Precision guidance and control systems for planting, irrigation, fertilizing, weed control, and harvesting
- Autonomous agricultural machinery
- Grain storage and handling
- Livestock tracking
- Farm management and data communication networks

RATINGS, LISTINGS & APPROVALS

- CMR
- CMX
- CMX Outdoor-CM
- CMX Outdoor-CMR
- ITC
- PLTC
- UL AWM Style 2463



Jacket Material	Category	AWG	Pair Count	Insulated OD	Spline	Shield *	Drain 26 AWG	Overall Cable Diameter	Temp. Min (Static)	Temp. Max	Hi-flex		Jacket Resistance		Ratings, Listings & Approvals				Notes	Part Number	
											Rolling Bend	Torsional	Oil	UV	CMR	CMX	cMx Outdoor-CMR	CMX Outdoor-CMR	PLTC/ITC	UL AWM Style 2463	
CPE	5e	24	4	.046		Foil & Braid		.290	-35	75	•	•	•	•			•			F	5003
TPE	6/6a	26	4	.036	•	Foil & Braid		.275	-40	75	•	•	•	•			•				5048
TPE	6/6a	24	4	.046	•	Foil & Braid		.325	-40	75 & 80	•	•	•	•			•			B	5925
TPE	5e	26	4	.039		Foil & Braid	•	.245	-40	75			•	•			•			C	5734
TPE	5e	26	4	.037		Foil & Braid		.245	-40	75	•	•	•	•			•			C, H	5083
TPE	5e	26	4	.039		Foil	•	.237	-40	75			•	•			•			C, H	5760
TPE	5e	24	2	.047		Foil & Braid		.265	-40	75 & 80	•	•	•	•			•			B, G	5023
TPE	5e	24	4	.046		Foil & Braid		.290	-40	75 & 80	•	•	•	•			•			B	5089
TPE	5e	24	4	.047		Foil	•	.273	-40	75			•	•			•				5928
TPE	5e	22	2	.054		Foil & Braid		.317	-40	75 & 80	•	•	•	•			•		•	B, E, G	5920
TPE	5e	22	4	.057		Foil & Braid		.354	-40	75 & 80	•	•	•	•			•		•	B, E, G	5921
PVC	5e	26	4	.039		Foil & Braid	•	.228	-20	75					•						5739
PVC	5e	26	4	.037		Foil & Braid		.221	-20	60					•						5005
PVC	5e	26	4	.039		Foil	•	.220	-20	75					•						5725
PVC	5e	24	4	.046		Foil & Braid		.276	-20	60 & 80					•					B	5004
PVC	5e	24	4	.047		Foil	•	.285	-20	75			•	•	•						5946
PUR	6/6a	26	4	.036	•	Foil & Braid		.239	-40	75	•	•		•						A	5919
PUR	6/6a	24	4	.046	•	Foil & Braid		.291	-40	75	•	•		•							5936
PUR	5e	26	4	.039		Foil & Braid	•	.220	-40	75					•						5730
PUR	5e	26	4	.039		Foil	•	.220	-40	75					•						5710
ZHFR PUR	6/6a	26	4	.036	•	Foil & Braid		.269	-40	75	•	•	•			•				D	5123
ZHFR PUR	5e	26	4	.037		Foil & Braid		.245	-40	75	•	•	•			•				D	5075
ZHFR PUR	5e	26	2	.037		Foil & Braid		.233	-40	75	•						•			D	5080

Black jacket unless noted otherwise in Notes

Note A: Can withstand storage temps up to 85°C for 16 hrs

Note B: Voltage Rating Max. 600V

Note C: Temp. Max. 75°C (Jacket 105°C, 60°C Oil)

Note D: Low Smoke

Note E: Teal Jacket

Note F: Temp. Max. 75°C (Jacket Temp. Rating 90°C)

Note G: Temp. Max. 75°C & 80°C (Jacket 105°C, 75°C Oil)

Note H: Temp. Max. 75°C (Jacket 105°C, 75°C Oil)

DATAMAX EXTREME JACKET COMPARISON TABLE

Performance Criteria	Jacket Materials *				
	Industrial PVC	CPE	TPE	PUR	ZHFR PUR
Ultraviolet and Weather Resistance	Good	Excellent	Excellent	Good	Good
Resistance to Petrochemicals	Good	Good/Excellent	Good/Excellent	Fair	Fair
Resistance to Flame and Fire	Excellent	Excellent	Good/Excellent	Fair	Good
Resistance to Moisture	Good	Excellent	Excellent	Excellent	Good
Resistance to Bases	Good	Fair	Good	Good	Fair
Resistance to Acids	Fair	Excellent	Good	Fair	Fair
Resistance to Ozone	Excellent	Fair	Good	Good	Good
Tensile Strength and Toughness	Good	Excellent	Fair	Excellent	Good
Flexibility and Flex Life	Fair	Excellent	Excellent	Excellent	Excellent
Resistance to Abrasion and Scuff	Good	Excellent	Good	Excellent	Excellent
Resistance to Tear	Fair	Excellent	Good	Excellent	Excellent
Low Temperature Flexibility and Brittle Point	Fair	Excellent	Excellent	Excellent	Excellent
RoHS Compliant and Lead Free	Yes	Yes	Yes	Yes	Yes
Resistance to Crush	Fair	Good	Fair	Good	Good
Resistance to Cut	Fair	Good	Fair	Good	Good
Heat > 105° C	Good	Good	Good	Fair	Fair
Resistance to Weld Spatter	Fair	Fair	Excellent	Fair	Fair



CONTACT QUABBIN

(800) 368-3311

sales@quabbin.com

*Contact our cable
design experts for
unshielded designs and
other jacket options

Sales and Customer Service

Inventory Stocked Throughout USA

- Eliminates overseas shipping times and costly delays
- Locations from coast to coast (MA, AZ, FL, CA, TX, IL)

Easy Ordering & Shipping

- Sales representatives located throughout North America
- Sales support specialists available to answer questions and process orders
- Orders for in-stock items placed by 1 p.m. Eastern Time qualify for same day shipping



Cable Finder

Search our products:

- Application
- Ratings & Approvals
- Part Number
- Physical Properties
- Construction
- Category



www.quabbin.com/cable-finder



Inventory Finder

Check our inventory:

- Part Number
- Warehouse Location
- Quantity Available



www.quabbin.com/inventory



CONTACT QUABBIN

(800) 368-3311

sales@quabbin.com



ODVA



CC-Link IE



DUNS: 079243143 FSC: 6145, 5995, 6150 CAGE: 62999 NAICS: 335929, 423610, 334419



Quabbin Wire & Cable Co., Inc., 10 Maple Street, Ware, MA 01082
800.368.3311 • 413.967.6281 • fax 413.967.7564 • www.quabbin.com